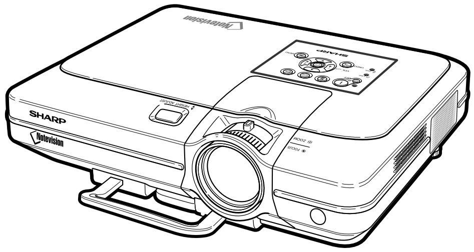
SHARP SERVICE MANUAL
SERVICE-ANLEITUNG

S93i5XG-C60XU



LCD PROJECTOR
LCD PROJEKTOR

MODEL MODELL XG-C60X

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

OUTLINE

This service manual covers only changes from XG-C55X. For other information, refer to the service manual of XG-C55X.

UMRISS

Diese Service-Anleitung umfasst nur Änderungen zum XG-C55X. Weitere Informationen finden Sie in der Service-Anleitung für den XG-C55X.

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SHARP CORPORATION

This document has been published to be used for
after sales service only.
The contents are subject to change without notice.

CHANGING PARTS LIST

Ref.No.	Desccription	XG-C55X	XG-C60X	Note
PRINTED WIRING BOARD ASSEMBLY				
	Input Unit	DUNTKB170DE04	DUNTKB170DE05	The daughter parts are same as XG-C55X.
	Output Unit	DUNTKB929FE01	DUNTKB929FE02	The daughter parts are same as XG-C55X.
	Key Unit	DUNTKB602DE01	DUNTKB602DE02	The daughter parts are same as XG-C55X.
	R/C Unit	DUNTKB603DE01	DUNTKB603DE02	The daughter parts are same as XG-C55X.
	AC Inlet Unit	RUNTKA058WJZZ	←	
	Fan Unit	RUNTKA026WJN1	RUNTKA026WJN2	
	Power Unit	RDENCA044WJZZ	←	
	PC I/F Unit	CPCi-A002CE30	CPCi-A002CE31	The daughter parts are same as XG-C55X.
	Ballast Unit	RDENCA045WJZZ	←	
Fan Unit				
R7219	Resistor	VRS-CY1JF273FY	VRS-CY1JF103FY	
R7220	Resistor	VRS-CY1JF103FY	VRS-CY1JF273FY	
Cabinet and Mechanical Parts				
	Refer to Parts List			
Optics Mechanism Parts				
	Refer to Parts List			

Specifications

Product type	LCD Projector
Model	XG-C60X
Video system	NTSC 3.58/NTSC 4.43/PAL/PAL-M/PAL-N/PAL 60/SECAM/ DTV480I/DTV480P/DTV540P/DTV580I/DTV580P/DTV720P/DTV1035I/DTV1080I
Display method	LCD panel × 3, RGB optical shutter method
LCD panel	Panel size: 0.99" (25.1 mm) (15 [H] × 20 [W] mm) No. of dots: 786,432 dots (1,024 [H] × 768 [V])
Standard lens	1—1.27× zoom lens, F1.7—2.2, f = 36.5—46.3 mm
Projection lamp	SHP 300 W
Component input signal (INPUT1/2)	15-pin mini D-sub connector Y: 1.0 Vp-p, sync negative, 75 Ω terminated P_B: 0.7 Vp-p, 75 Ω terminated P_R: 0.7 Vp-p, 75 Ω terminated
Horizontal resolution	750 TV lines (DTV720P)
Computer RGB input signal (INPUT 1/2)	15-pin mini D-sub connector RGB separate/sync on green type analog input: 0—0.7 Vp-p, positive, 75Ω terminated HORIZONTAL SYNC. SIGNAL: TTL level (positive/negative) VERTICAL SYNC. SIGNAL: Same as above
Video input signal (INPUT 3)	RCA connector: VIDEO, composite video, 1.0 Vp-p, sync negative, 75 Ω terminated
S-video input signal (INPUT 4)	4-pin mini DIN connector Y (luminance signal): 1.0 Vp-p, sync negative, 75 Ω terminated C (chrominance signal): Burst 0.286 Vp-p, 75 Ω terminated
Computer control signal (RS-232C)	9-pin mini DIN connector
Pixel clock	12—230 MHz
Vertical frequency	43—200 Hz*
Horizontal frequency	15—126 kHz
Audio input signal	ø3.5 mm minijack: AUDIO, 0.5 Vrms, more than 47 kΩ (stereo)
Audio output	3.0 W (monaural)
Speaker system	4 cm × 7 cm
Rated voltage	AC 100–240V
Input current	4.0 A
Rated frequency	50/60 Hz
Power consumption	400 W (Standard mode)/325 W (Low power mode) with AC 100 V 380 W (Standard mode)/310 W (Low power mode) with AC 240 V
Power consumption (standby)	0.5 W (AC 100 V) – 0.8 W (AC 240 V) (When “Mntr.out/RS232” is set to “OFF”)
Heat dissipation	1,505 BTU/hour (Standard mode)/1,220 BTU/hour (Low power mode) with AC 100 V 1,430 BTU/hour (Standard mode)/1,165 BTU/hour (Low power mode) with AC 240 V
Operating temperature	41°F to 95°F (+5°C to +35°C)
Storage temperature	–4°F to 140°F (–20°C to +60°C)
Cabinet	Plastic
I/R carrier frequency	38 kHz
Dimensions (approx.)	15 ⅜" × 3 ⅞" × 11 9⁄16" (390 (W) × 99 (H) × 294 (D) mm) (main body only) 15 ½" × 4 7⁄16" × 11 ⅝" (393 (W) × 114 (H) × 303 (D) mm) (including adjustment foot and projecting parts)
Weight (approx.)	11.3 lbs. (5.1 kg)
Supplied accessories	Remote control, Two R-6 batteries, Power cord for U.S., Canada etc. (11'10", 3.6 m), Power cord for Europe except U.K. and Korea (6', 1.8 m), Power cord for U.K., Hong Kong and Singapore (6', 1.8 m), Power cord for Australia, New Zealand and Oceania (6', 1.8 m), RGB cable (9'10", 3 m), USB cable (3'3", 1 m), DIN-D-sub RS-232C adaptor (5 57⁄64", 15 cm), Remote receiver, Extra air filter, Lens cap (attached), Projector manual and technical reference CD-ROM, Sharp Advanced Presentation Soft-ware CD-ROM, Sharp Advanced Presentation Software quick installation guide, Quick guide label,Operation manual
Replacement parts	Lamp unit (Lamp/cage module) (BQC-XGC55X//1), Remote control (RRMCGA176WJSA), Two R-6batteries (“AA” size, UM/SUM-3, HP-7, or similar), Power cord for U.S., Canada etc.(QACCDA010WJPZ), Power cord for Europe except U.K. and Korea (QACCVA011WJPZ), Power cord for U.K., Hong Kong and Singapore, (QACCBA012WJPZ), Power cord for Australia, New Zealand and Oceania (QACCLA018WJPZ), RGB cable (QCNWGA012WJPZ), USB cable (QCNWG0007CEPZ), DIN-D-sub RS-232C adaptor (QCNWGA015WJPZ), Remote receiver (RUNTKA061WJZZ), Air filter(PFILDA005WJZZ), Lens cap (PCAPHA003WJSA), Projector manual and technical reference CD-ROM (UDSKAA042WJZZ), Sharp Advanced Presentation Software CD-ROM (UDSKAA043WJZZ),Sharp Advanced Presentation Software quick installation guide (TINS-A867WJZZ), Quick guide label (TLABZA364WJZZ), Operation manual (TiNS-B043WJZZ)

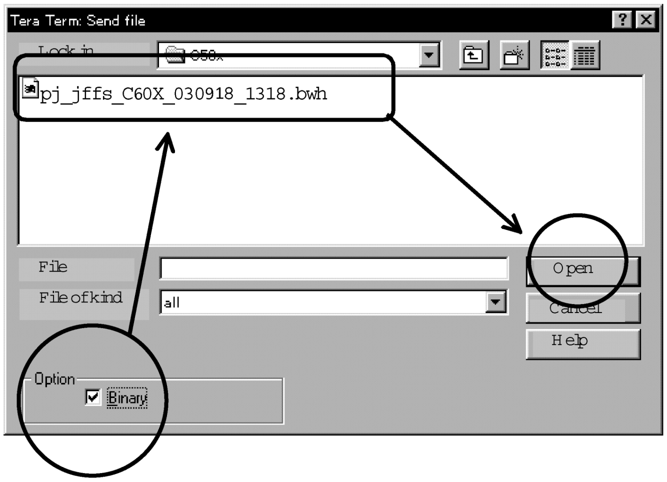
* Temporary noise may be visible with vertical frequencies above 100Hz if OSD functions are activated.

As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

SOFTWARE UPDATE PROCEDURE

Only the display in the following window screen is different from XG-C55X. Other displays are the same as XG-C55X.

12. On the Tera Term Pro, select the File and then the Send file.
    Check the Binary in the Option and then select the software file for update you decompressed.
    Then click open.



Look in: C58x

pj_jffs_C60X_030918_1318.bwh

File of kind: all

Option ☑ Binary

ÄNDERN DER TEILELISTE

Ref.Nr.	Beschreibung	XG-C55X	XG-C60X	Hinweis
LEITERPLATTEN-BAUGRUPPE				
	Eingangseinheit	DUNTKB170DE04	DUNTKB170DE05	Die Tochterteile sind die gleichen wie beim XG-C55X.
	Ausgangseinheit	DUNTKB929FE01	DUNTKB929FE02	Die Tochterteile sind die gleichen wie beim XG-C55X.
	Schlüsseinheit	DUNTKB602DE01	DUNTKB602DE02	Die Tochterteile sind die gleichen wie beim XG-C55X.
	Fernbedienungs-einheit	DUNTKB603DE01	DUNTKB603DE02	Die Tochterteile sind die gleichen wie beim XG-C55X.
	AC Eingangseinheit	RUNTKA058WJZZ	←	
	Gebläse-einheit	RUNTKA026WJN1	RUNTKA026WJN2	
	Netzeinheit	RDENCA044WJZZ	←	
	PC-I/F-einheit	CPCi-A002CE30	CPCi-A002CE31	Die Tochterteile sind die gleichen wie beim XG-C55X.
	Ballast-einheit	RDENCA045WJZZ	←	
Gebläse-Einheit				
R7219	Widerstand	VRS-CY1JF273FY	VRS-CY1JF103FY	
R7220	Widerstand	VRS-CY1JF103FY	VRS-CY1JF273FY	
Gehäuse Und Mechanische Bauteile				
	Siehe Teileliste.			
Teile Für Optikmechanismus				
	Siehe Teileliste.			

Technische Daten

Produkttyp	LCD PROJEKTOR
Modell	XG-C60X
Videosystem	NTSC 3.58/NTSC 4.43/PAL/PAL-M/PAL-N/PAL 60/SECAM/
	DTV480I/DTV480P/DTV540P/DTV580I/DTV580P/DTV720P/DTV1035I/DTV1080I
Wiedergabeverfahren	LCD-Panel × 3, optische RGB-Verschlussmethode
LCD-Panel	Panel-Größe: 0,99tum(25,1 mm)(15 [H] × 20 [B] mm)
	Anzahl der Bildpunkte: 786.432 Bildpunkte (1.024 [H] × 768 [V])
Standard-Objektiv	1—1,27× Zoom-Objektiv, F1,7—2,2,f = 36,5—46,3mm
Projektionslampe	Wechselstromlampe SHP 300 W
Komponenten-Eingangssignale	15-poliger Mini-D-Sub-Anschluss
(INPUT 1/2)	Y: 1,0 Vs-s, negatives Sync., 75 Ω terminiert
	P_B: 0,7 Vs-s, 75 Ω terminiert
	P_R: 0,7 Vs-s, 75 Ω terminiert
Horizontale Auflösung	750 Fernsehzeilen (DTV720P)
Computer-RGB-Eingangssignal	15-poliger Mini-D-Sub-Anschluss
(INPUT 1/2)	RGB getrennt/Sync auf Grün-Typ analoger Eingang: 0-0,7 Vs-s, positiv, 75 Ω terminiert
	HORIZONTALES SYNC.-SIGNAL: TTL-Pegel (positiv/negativ)
	VERTIKALES SYNC.-SIGNAL: Wie oben
Videoeingangssignal	RCA-Anschluss: VIDEO, gemischtes Video, 1,0 Vs-s, negatives Sync., 75 Ω terminiert
(INPUT 3)	
S-Videoeingangssignal	4-pol. Mini DIN-Anschluss
(INPUT 4)	Y (Luminanzsignal): 1,0 Vs-s, negatives Sync., 75 Ω terminiert
	C (Chrominanzsignal): Stoß 0,286 Vs-s, 75 Ω terminiert
Computer-Steuerungssignal (RS-232C)	9-Pin Mini-DIN-Stecker
Pixeltakt	12-230 MHz
Vertikale Frequenz	43-200 Hz*
Horizontale Frequenz	15-126 kHz
Audioeingangssignal	ø3,5 mm Minibuchse: AUDIO, 0,5 Vrms, mehr als 47 kΩ (Stereo)
Audioausgang	3,0 W (Mono)
Lautsprechersystem	4 cm × 7 cm
Nennspannung	100-240 V Wechselstromspannung
Eingangsspannung	4,0 A
Nennfrequenz	50/60 Hz
Leistungsaufnahme	400 W (Standard-Modus)/325 W (Modus mit niedrigem Stromverbrauch)bei AC 100 V
	380 W (Standard-Modus)/310 W (Modus mit niedrigem Stromverbrauch)bei AC 240 V
Leistungsaufnahme	0,5 W (bei AC 100 V)-0,8 W (bei AC 240 V) (wenn “Monitor/RS232” auf “OFF” gestellt ist)
(Bereitschaft)	1.505 BTU/Stunde (Standard-Modus)/1.220 BTU/stunde (Modus mit niedrigem Stromverbrauch)bei AC 100 V
W ä rmeableitung	1.430 BTU/Stunde (Standard-Modus)/1.165 BTU/stunde (Modus mit niedrigem Stromverbrauch)bei AC 240 V
	41°F bis 95°F (+5°C bis +35°C)
Betriebstemperatur	– 4°F bis 140°F (–20°C bis +60°C)
Lagertemperatur	Plastik
Gehäuse	38 kHz
I/R-Trägerfrequenz	15 ⅜" × 3 ⅞" × 11 9⁄16" (390 (B) × 99 (H)× 294 (T) mm) (nur Hauptgerät)
Abmessungen (ca.)	15 ½" × 4 7⁄16" × 11 ⅝" (393 (B) × 114 (H) × 303 (T) mm) (einschließlich Drehfüße und Projektionsteile)
Gewicht (ca.)	11,3 lbs. (5,1 kg)
Mitgeliefertes Zubehör	Fernbedienung, zwei R6-Batterien, Netzkabel für USA, Kanada usw. (11'10", 3,6 m), Netzkabel für Europa, ausgenommen Großbritannien (6', 1,8 m), Netzkabel für Großbritannien, Hongkong und Singapur (6', 1,8 m), Netzkabel für Australien, Neuseeland und Ozeanien (6', 1,8 m), RGB-Kabel (9' 10", 3 m), USB-Kabel 3'3", 1 m), (DIN-D-Sub RS-232C-Adapter (5 57⁄64", 15 cm), Fernbedienungsempfänger, Zusätzlicher Luftfilter, Objektivkappe (befestigt), Projektorhandbuch-und technische Referenz-CD-ROM, Sharp Advanced Presentation Software CD-ROM, Schnell-Installationsanleitung für die Sharp Advanced Presentation Software, “QUICK GUIDE (Schnellanleitung)”-Aufklebers, Bedienungsanleitung
Ersatzteile	Lampeneinheit (Lampen-/Gehäusemodul) (BQC-XGC55X//1), Fernbedienung (RRMCGA176WJSA), zwei R 6-Batterien (“AA”, UM/SUM-3, HP-7 oder ähnlich), Netzkabel für USA, Kanada usw. (QACCDA010WJPZ), Netzkabel für Europa, ausgenommen Großbritannien (QACCVA011WJPZ), Netzkabel für Großbritannien, Hongkong und Singapur (QACCBA012WJPZ), Netzkabel für Australien, Neuseeland und Ozeanien (QACCLA018WJPZ),RGB-Kable (QCNWGA012WJPZ), USB-Kabel (QCNWG0007CEPZ), DIN-D-Sub RS-232C-Adapter (QCNWGA015WJPZ), Fernbedienungsempfänger (RUNTKA061WJZZ), Luftfilter (PFILDA005WJZZ), Objektivkappe (PCAPHA003WJSA), Projektorhandbuch-und- technische Referenz-CD-ROM (UDSKAA042WJZZ), Sharp Advanced Presentation Software CD-ROM (UDSKAA043WJZZ), Schnell-Installationsanleitung für die Sharp Advanced Presentation Software (TINS-A867WJZZ), “QUICK GUIDE (Schnellanleitung)”-Aufklebers (TLABZA364WJZZ), Bedienungsanleitung (TiNS-B043WJZZ)

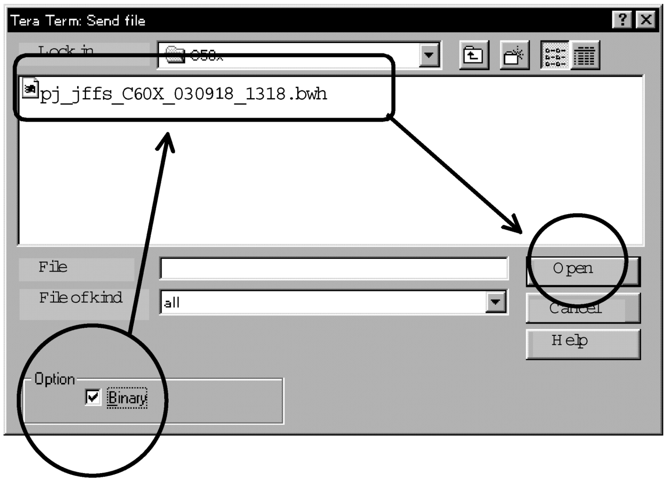
*Bei vertikalen Frequenzen über 100 Hz kann eine zeitweise Störung sichtbar werden, wenn die OSD-Funktionen eingeschaltet sind.

Bedingt durch fortlaufende technische Verbesserungen behält sich SHARP das Recht vor, das Design und die Spezifikationen ohne vorherige Ankündigung ändern zu können. Die angegebenen Leistungswerte stellen die Nennwerte einer in Serienherstellung produzierten Einheit dar. Geringe Abweichungen bei einzelnen Geräten sind möglich.

SOFTWARE-AKTUALISIERUNGSVERFAHREN

Nur das Display auf dem folgenden Bildschirm unterscheidet sich vom XG-C55X. Andere Displays sind die gleichen wie beim XG-C55X.

12. Unter Tera Term Pro wählen Sie "File" und dann "Send file".
    Markieren Sie "Binary" in der Option, dann wählen Sie die Softwaredatei zur Aktualisierung aus, die dekomprimiert wurden.
    Klicken Sie dann auf "open".



Tera Term: Send file

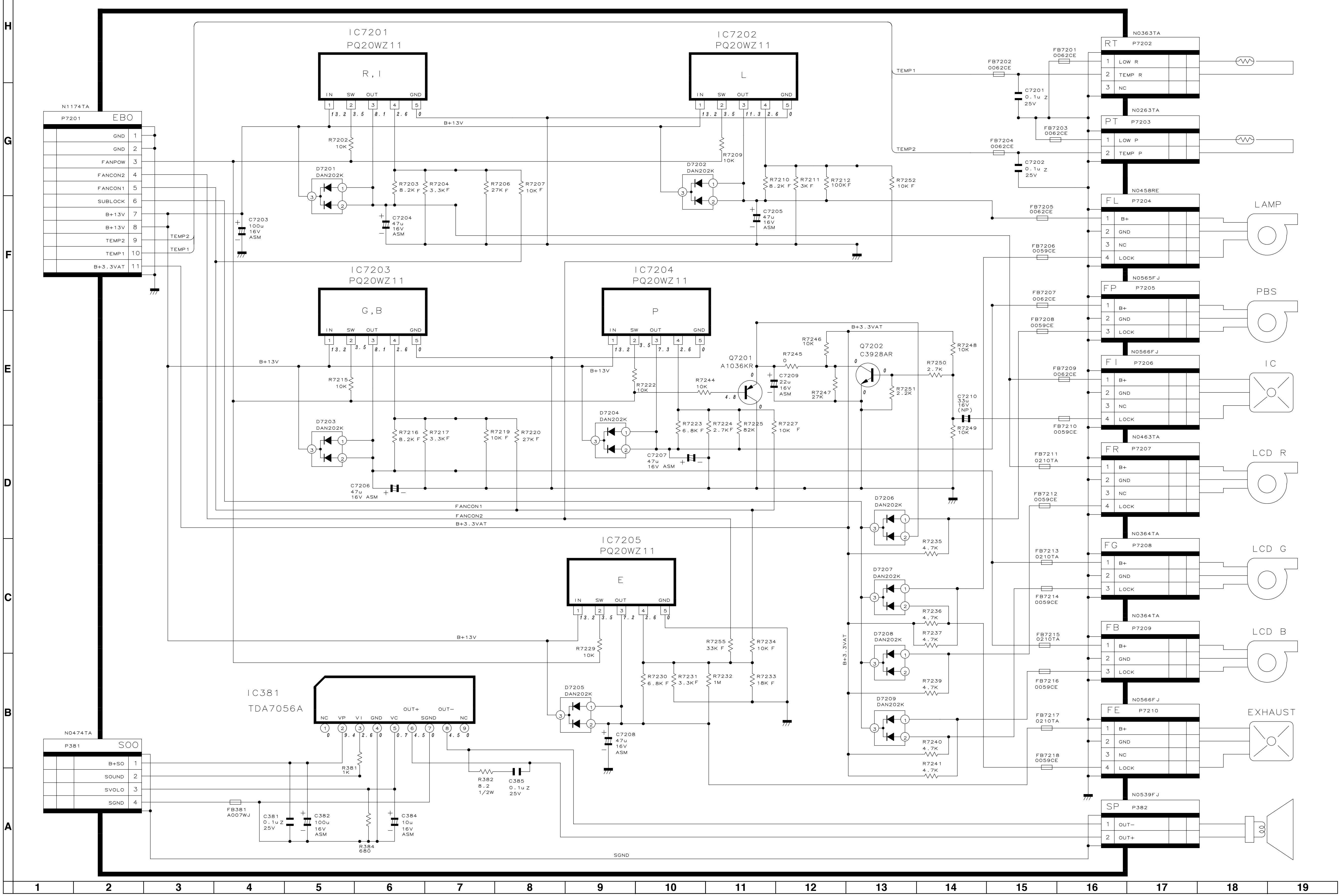
Lock in: C50x

pj_jffs_C60X_030918_1318.bwh

File of kind: all

Option: ☑ Binary

■ FAN UNIT / GEBLÄSE-EINHEIT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PQ20WZ11
R, I
IC7202
PQ20WZ11
L
IC7203
PQ20WZ11
G, B
IC7204
PQ20WZ11
P
IC7205
PQ20WZ11
E
IN SW OUT GND
IC381
TDA7056A
NC VP VI GND VC SGND NC OUT+ OUT−
N1174TA
P7201 EB0
GND 1
GND 2
FANPOW 3
FANCON2 4
FANCON1 5
SUBLOCK 6
B+13V 7
B+13V 8
TEMP2 9
TEMP1 10
B+3.3VAT 11
N0474TA
P381 S00
B+SO 1
SOUND 2
SVOLO 3
SGND 4
B+13V
B+3.3VAT
FANCON1
FANCON2
TEMP1
TEMP2
SGND
R7202 10K
R7203 8.2K F
R7204 3.3K F
R7206 27K F
R7207 10K F
R7209 10K
R7210 8.2K F
R7211 3K F
R7212 100K F
R7252 10K F
R7215 10K
R7216 8.2K F
R7217 3.3K F
R7219 10K F
R7220 27K F
R7222 10K
R7223 6.8K F
R7224 2.7K F
R7225 82K
R7227 10K F
R7244 10K
R7245 0
R7246 10K
R7247 27K
R7248 10K
R7249 10K
R7250 2.7K
R7251 2.2K
R7229 10K
R7230 6.8K F
R7231 3.3K F
R7232 1M
R7233 18K F
R7234 10K F
R7255 33K F
R7235 4.7K
R7236 4.7K
R7237 4.7K
R7239 4.7K
R7240 4.7K
R7241 4.7K
R381 1K
R382 8.2 1/2W
R384 680
C7203 100u 16V ASM
C7204 47u 16V ASM
C7205 47u 16V ASM
C7206 47u 16V ASM
C7207 47u 16V ASM
C7208 47u 16V ASM
C7209 22u 16V ASM
C7210 33u 16V (NP)
C7201 0.1u Z 25V
C7202 0.1u Z 25V
C381 0.1u Z 25V
C382 100u 16V ASM
C384 10u 16V ASM
C385 0.1u Z 25V
D7201 DAN202K
D7202 DAN202K
D7203 DAN202K
D7204 DAN202K
D7205 DAN202K
D7206 DAN202K
D7207 DAN202K
D7208 DAN202K
D7209 DAN202K
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Q7202 C3928AR
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FB7201 0062CE
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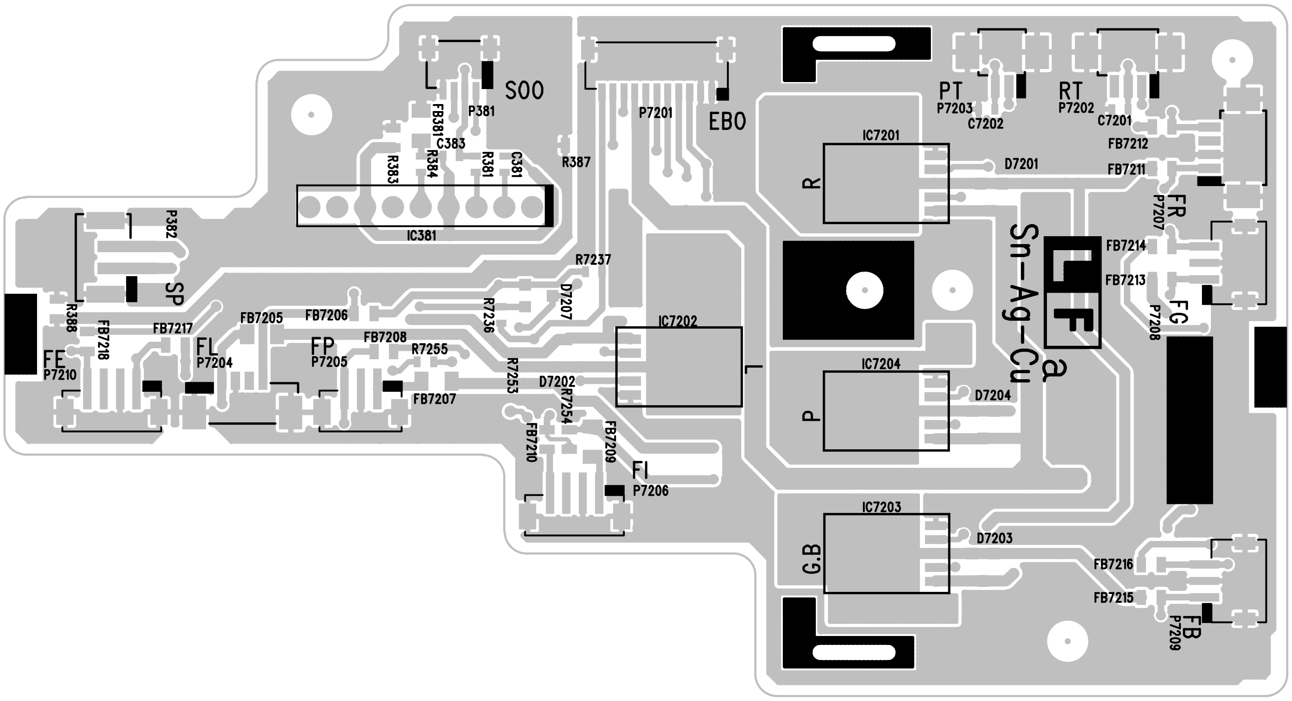
RT P7202
LOW R
TEMP R
NC
N0263TA
PT P7203
LOW P
TEMP P
N0458RE
FL P7204
B+
GND
NC
LOCK
LAMP
N0565FJ
FP P7205
PBS
N0566FJ
FI P7206
IC
N0463TA
FR P7207
LCD R
N0364TA
FG P7208
LCD G
N0364TA
FB P7209
LCD B
N0566FJ
FE P7210
EXHAUST
N0539FJ
SP P382
OUT−
OUT+
13.2 3.5 8.1 2.6 0
13.2 3.5 11.3 2.6 0
13.2 3.5 7.3 2.6 0
13.2 3.5 7.2 2.6 0
0 9.4 2.6 0 0.7 4.5 0 4.5 0
H G F E D C B A
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

PRINTED WIRING BOARD ASSEMBLIES
LEITERPLATTENEINHEITEN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C383
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IC381
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FL
P7204
FP
P7205
FB7207
R7237
D7207
R7236
R7253
D7202
R7254
FB7210
FB7209
FI
P7206
IC7202
IC7201
R
D7201
Sn-Ag-Cu
LF
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IC7204
P
D7204
IC7203
G.B
D7203
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RT
P7202
C7201
FB7212
FB7211
FR
P7207
FB7214
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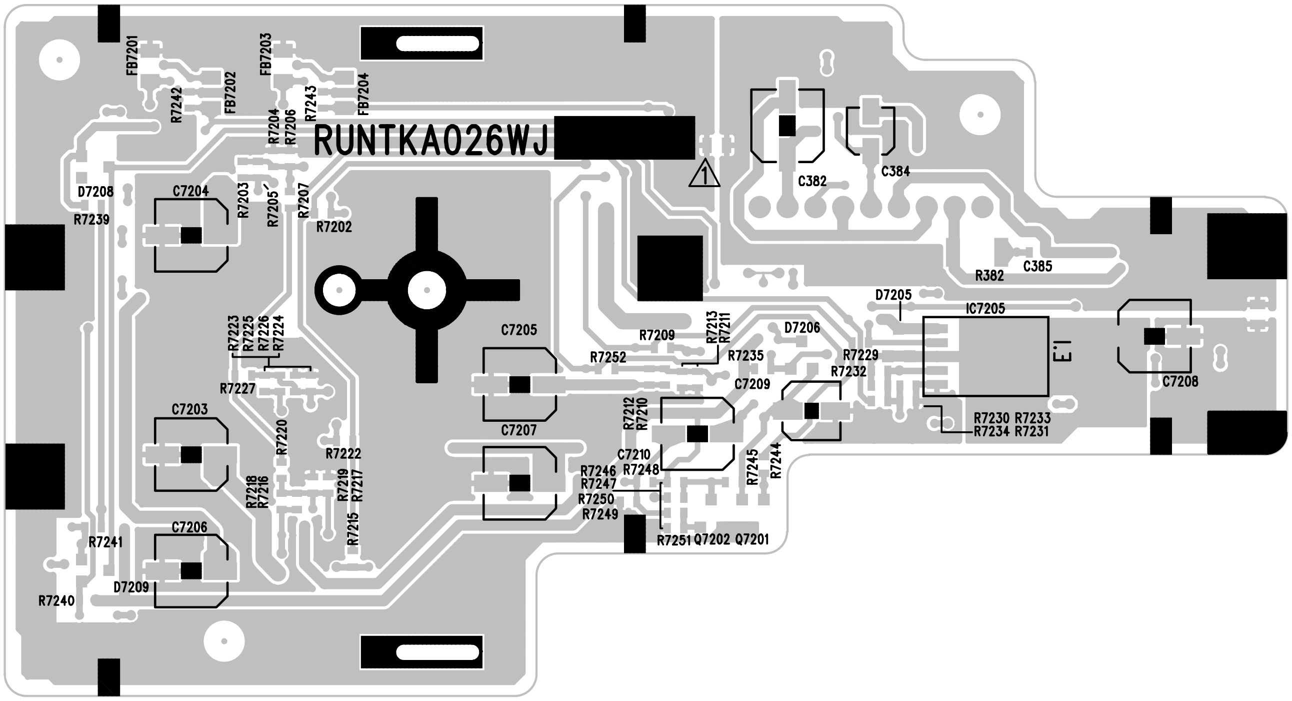
FB7216
FB7215
FB
P7209

FAN UNIT (Side-A)
GEBLÄSE-EINHEIT (Seite-A)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R7211
D7206
R7252
R7235
R7229
R7232
C7209
C7207
R7212
R7210
R7230 R7233
R7234 R7231
C7203
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R7247
R7250
R7249
R7245
R7244
R7215
R7251
Q7202
Q7201
C7206
R7241
R7240
D7209

FAN UNIT (Side-B)
GEBLÄSE-EINHEIT (Seite-B)

H G F E D C B A

1 2 3 4 5 6

PARTS LIST

PARTS REPLACEMENT

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

in **USA**: Contact your nearest SHARP Parts Distributor.
For location of SHARP Parts Distributor,
Please call Toll-Free; 1-800-BE-SHARP

in **CANADA**: Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100.

★ MARK: SPARE PARTS-DELIVERY SECTION

PRINTED WIRING BOARD ASSEMBLIES
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	DUNTKB170DE05	-	Input Unit	—
	DUNTKB929FE02	-	Output Unit	—
	DUNTKB602DE02	-	Key Unit	—
	DUNTKB603DE02	-	R/C Receiver Unit	—
	RUNTKA058WJZZ	-	AC Inlet Unit	—
	RUNTKA026WJN2	-	Fan Unit	—
	RDENCA044WJZZ	-	Power Unit	—
	CPCi-A002CE31	J	PC I/F Unit	
⚠	RDENCA045WJZZ	J	Ballast Unit	BZ

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenshaften sind in den Ersatzteil durch "⚠" gekenn-zeichnet. Der Gebrauch von Ersatzteilen, die nicht deselben Sicherheitseigenschaften haben wie die vom Hersteller empfohlenen ud in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATSTEILE BESTELLT"

Damit Ihre Bestellung promt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR.
2. REF. NR.
3. ERSATZTEIL NR.
4. BESCHREIBUNG
5. KODE
6. QUANTITÄT

★ MARKIERUNG : ERSATZTEILE-LIEFERUNG

RUNTKA026WJN2
FAN UNIT

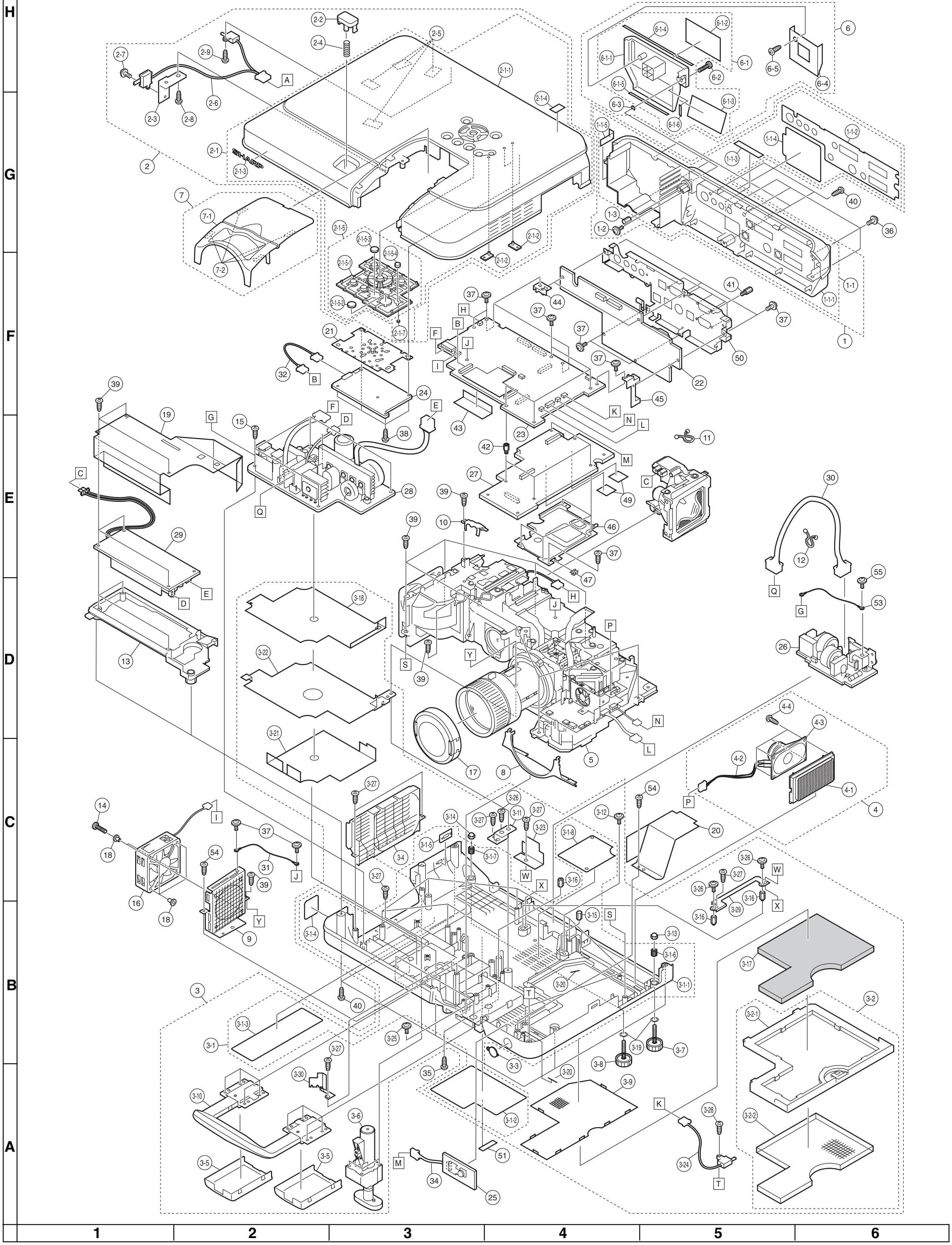
RESISTORS

Ref. No.	Part No.	★	Description	Code
R7219	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7220	VRS-CY1JF273FY	J	27k 1/16W Metal Oxide	AA

CABINET AND MECHANICAL PARTS

Ref. No.	Part No.	★	Description	Code
1	*Not Available*	–	Rear Body Unit Ass'y	—
1-1	DBDYRA005WJ01	J	Rear Body Ass'y	AY
1-1-1	*Not Available*	–	Rear Body	—
1-1-2	HiNDPA506WJSA	J	Terminal Indication Panel	AH
1-1-3	HiNDPA085WJZZ	J	Earth Label	AD
1-1-4	HiNDPA516WJZZ	J	Shield Label	AE
1-1-5	PSPAKA008WJ00	J	Spacer, x2	AD
1-2	LX-HZ3106CEFD	J	Screw, x1	AB
1-3	LX-NZ3173CEFW	J	Insert Nut, x1	AD
2	*Not Available*	–	Top Body Unit Ass'y	—
2-1	DBDYTA052WJ01	J	Top Body Ass'y	
2-1-1	*Not Available*	–	Top Body	—
2-1-2	GCOVAA032WJKA	J	LED Cover, x3	BB
2-1-3	*Not Available*	–	"SHARP" Badge	—
2-1-4	HiNDPA641WJSA	J	"IQ" Label	
2-1-5	DBTN-A013WJ01	J	Operation Button Ass'y	AX
2-1-5-1	*Not Available*	–	Operation Button	—
2-1-5-2	HDECQA025WJKA	J	Decoration Button-A	AH
2-1-5-3	HDECQA026WJKA	J	Decoration Button-B	AH
2-1-5-4	HDECQA027WJKA	J	Decoration Button-C	AH
2-1-7	PSPAZA106WJZZ	J	Spacer, x4	AA
2-1-8	PSPATA005WJZZ	J	Tape, x2	AC
2-2	JBTN-A014WJKA	J	Height Adjust Button	AE
2-3	LANGKA006WJFW	J	Fixing Angle	AD
2-4	MSPRCA001WJFW	J	Spring, for Height Adjust Button	AB
2-5	PSPAT0013CEZZ	J	Tape, x4	AC
2-6	QCNW-A492WJZZ	J	Leaf Switch	AH
2-7	XBPSF26P06000	J	Screw, x1	AA
2-8	XEBSD30P08000	J	Screw, x1	AA
2-9	XEPSD26P08000	J	Screw, x1	AA
3	*Not Available*	–	Bottom Body Unit Ass'y	—
3-1	DBDYUA003WJ13	J	Bottom Body Ass'y (for U.S., Canada, Europe except U.K., Korea, Australia, New Zealand and Oceania)	
3-1	DBDYUA003WJ15	J	Bottom Body Ass'y (for U.K., Hong Kong and Singapore)	
3-1-1	*Not Available*	–	Bottom Body	—
3-1-2	HiNDPA714WJSA	J	Model Label (for U.S., Canada, Europe except U.K., Korea, Australia, New Zealand and Oceania)	
3-1-2	HiNDPA772WJSA	J	Model Label (for U.K., Hong Kong and Singapore)	
3-1-3	HiNDPA292WJSA	J	FCC Label	AL
3-1-4	HiNDPA114WJSB	J	Hot Caution Label	AD
3-1-5	*Not Available*	–	Kensington Standard Security Connector	—
3-1-6	LX-NZ3120CEFW	J	Insert Nut(R)	AB
3-1-7	LX-NZ3122CEFW	J	Insert Nut(L)	AC
3-1-8	PFiLDA003WJZZ	J	PBS Filter	AG
3-2	DCOVAA029WJ01	J	Bottom Filter Cover Ass'y	AR
3-2-1	*Not Available*	–	Bottom Filter Cover	—
3-2-2	HPNC-A002WJSA	J	Intake Punching Cover	AL
3-3	GCOVA1824CESA	J	R/C Cover	AD
3-4	GCOVAA030WJKA	J	Exhaust Panel	AM
3-5	GCOVAA038WJKA	J	Handle Cover, x2	AF
3-6	GLEGPA003WJKA	J	Adjuster Foot(Front)	AW
3-7	GLEGPA004WJKA	J	Adjuster Foot(Rear, Right)	AH
3-8	GLEGPA005WJKA	J	Adjuster Foot(Rear, Left)	AH
3-9	HPNC-A001WJSA	J	Punching Cover	AL
3-10	JHNDAA003WJZZ	J	Carrying Handle	BA
3-11	LANGKA040WJFW	J	Anti-Theft Angle	AD
3-12	LX-HZ3105CEFD	J	Screw, for Insert Nut, x1	AB
3-13	LX-NZ3095CEFD	J	Nut Screw(R)	AA
3-14	LX-NZ3123CEFE	J	Nut Screw(L)	AD
3-15	LX-NZ3173CEFW	J	Insert Nut, x1	AD
3-16	LX-NZA003WJFW	J	Nut, x3	AD
3-17	PFiLDA002WJZZ	J	Filter	AE
3-18	PSLDMA074WJZZ	J	Shield	AK
3-19	PSPAH0648CE00	J	Spacer, x2	AB
3-20	PSPAT0013CEZZ	J	Tape, x2	AC
3-21	PZETKA013WJZZ	J	Shield Spacer, x1	AG
3-22	PZETKA014WJZZ	J	Shield Spacer, x1	AH
3-23	PZETKA015WJZZ	J	Shield Spacer, x1	AD
3-24	QCNW-A493WJZZ	J	Leaf Switch	AF
3-25	XBPSD30P08JS0	J	Screw, x8	AA
3-26	XBPSD40P05J00	J	Screw, x3	AA
3-27	XEBSD30P12000	J	Screw, x7	AA
3-28	XEPSD26P08000	J	Screw, x1	AA
3-29	LANGKA075WJFW	J	Angle	AG
3-30	PGiDJA001WJKZ	J	Ventilation Guide	AE
4	*Not Available*	–	Speaker Net Unit Ass'y	—
4-1	DBFL-A001WJ01	J	Speaker Net Ass'y	AH
4-2	QCNW-5062CEZZ	J	Connection Cord(SP)	AE
4-3	VSP7040PB568A	J	Speaker	AL
4-4	XEBSD30P08000	J	Screw, x4	AA
5	Refer to Optical Mechanism parts			
6	*Not Available*	–	Lamp Door Unit Ass'y	—
6-1	DDORRA001WJ02	J	Lamp Door Ass'y	AP
6-1-1	*Not Available*	–	Lamp Door	—
6-1-2	HiNDPA514WJZZ	J	Caution Label	AF
6-1-3	HiNDPA515WJZZ	J	Caution Label	AE
6-1-4	PSPAHA070WJ00	J	Spacer	AB
6-1-5	PSPAHA071WJ00	J	Spacer	AB
6-1-6	PSPAHA072WJ00	J	Spacer	AA
6-2	LX-BZ3366CEFN	J	Screw, x1	AD
6-3	XRESJ30-06000	J	E-ring, x1	AA
6-4	PSLDPA014WJFW	J	Heat Sink, Door, x1	AE
6-5	XEBSD30P08000	J	Screw, x1	AA
7	CCOVAA027WJ01	J	Lens Cover(Upper) Ass’y	AQ
7-1	*Not Available*	–	Les Cover (Upper)	—
7-2	PSPAHA084WJZZ	J	Spacer, x4	AA
8	GCOVAA028WJKA	J	Lens Cover(Lower)	AH
9	HPNC-A003WJFW	J	Cooling Fan Attaching Angle	AP
10	LANGTA007WJFW	J	AC Socket Attaching Angle	AD
11	LHLDW1003GEZZ	J	Wire Holer, x1	AA
12	LHLDW1060CEZZ	J	Wire Holer, x1	AB
13	LHLDZA009WJKZ	J	PWB Holder	BB
14	LX-BZA020WJZZ	J	Screw, x2	AC
15	LX-HZA007WJFD	J	Screw, x4	AB
16	NFANRA022WJZZ	J	Cooling Fan	AR
17	PCAPHA003WJSA	J	Lens Cap	AH
18	PSPAGA036WJZZ	J	Fan Spacer, x6	AD
19	PZETKA045WJZZ	J	Shield, for Ballast Unit	AN
20	PZETKA005WJ00	J	Shield, for Output Unit	AP
21	PZETZA004WJKZ	J	Insulating Sheet	AD
22	DUNTKB170DE05	–	Input Unit	—
23	DUNTKB929FE02	–	Output Unit	—
24	DUNTKB602DE01	–	Key Unit	—
25	DUNTKB603DE01	–	R/C Receiver Unit	—
26	RUNTKA058WJZZ	–	AC Inlet Unit	—
27	CPCi-A002CE31	J	PC I/F Unit	
28	RDENCA044WJZZ	–	Power Unit	—
⚠ 29	RDENCA045WJZZ	J	Ballast Unit	BZ
30	QCNW-A491WJZZ	J	Bi-Metal	AM
31	QCNW-A774WJZZ	J	Connecting Cord (FG)	AD
32	QCNW-A936WJZZ	J	Connecting Cord (KY)	AC
34	QCNW-C170WJQZ	J	Connecting Cord (RC)	
35	XBBSD40P12000	J	Screw, x1	AB
36	XBBSF30P10000	J	Screw, x4	AA
37	XBPSD30P06R00	J	Screw, x13	AB
38	XEBSD30P08000	J	Screw, x5	AA
39	XEBSD30P12000	J	Screw, x13	AA
40	XEBSF30P12000	J	Screw, x10	AA
41	NSFTZ0134CEFW	J	Shaft Screw, x6	AD
42	NSFTZA001WJFW	J	Shaft Screw, x4	AD
43	GCOVHA014WJKZ	J	Shading Cover	AD
44	LANGTA005WJFW	J	Attaching Angle, x2	AE
45	LANGTA006WJFW	J	Attaching Angle, x1	AG
46	PSLDMA008WJFW	J	Shield	AK
47	LHLDW1021GE00	J	Wire Holder, x1	AB
49	PSPAZA061WJZZ	J	Spacer, x2	AD
50	PSLDMA009WJFW	J	Terminal Shield	AH

CABINET AND MECHANICAL PARTS/ GEHÄUSE UND MECHANISCHE BAUTEILE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CABINET AND MECHANICAL PARTS
(Continued)

Ref. No.	Part No.	★	Description	Code
51	*Not Available*	–	Serial No. Label	—
53	95KEDB7781ZZ	J	Connecting Cord	AF
54	XJPSF30P08000	J	Screw, x2	AA
55	95KRAZ4141ZT	J	Screw, x1	AC
56	PSLDHA015WJFW	J	Shield	AD
57	PSLDHA016WJFW	J	Shield	AD
58	PSPAZA319WJZZ	J	Spacer, x3	
59	PSPAGA134WJZZ	J	Spacer, x2	

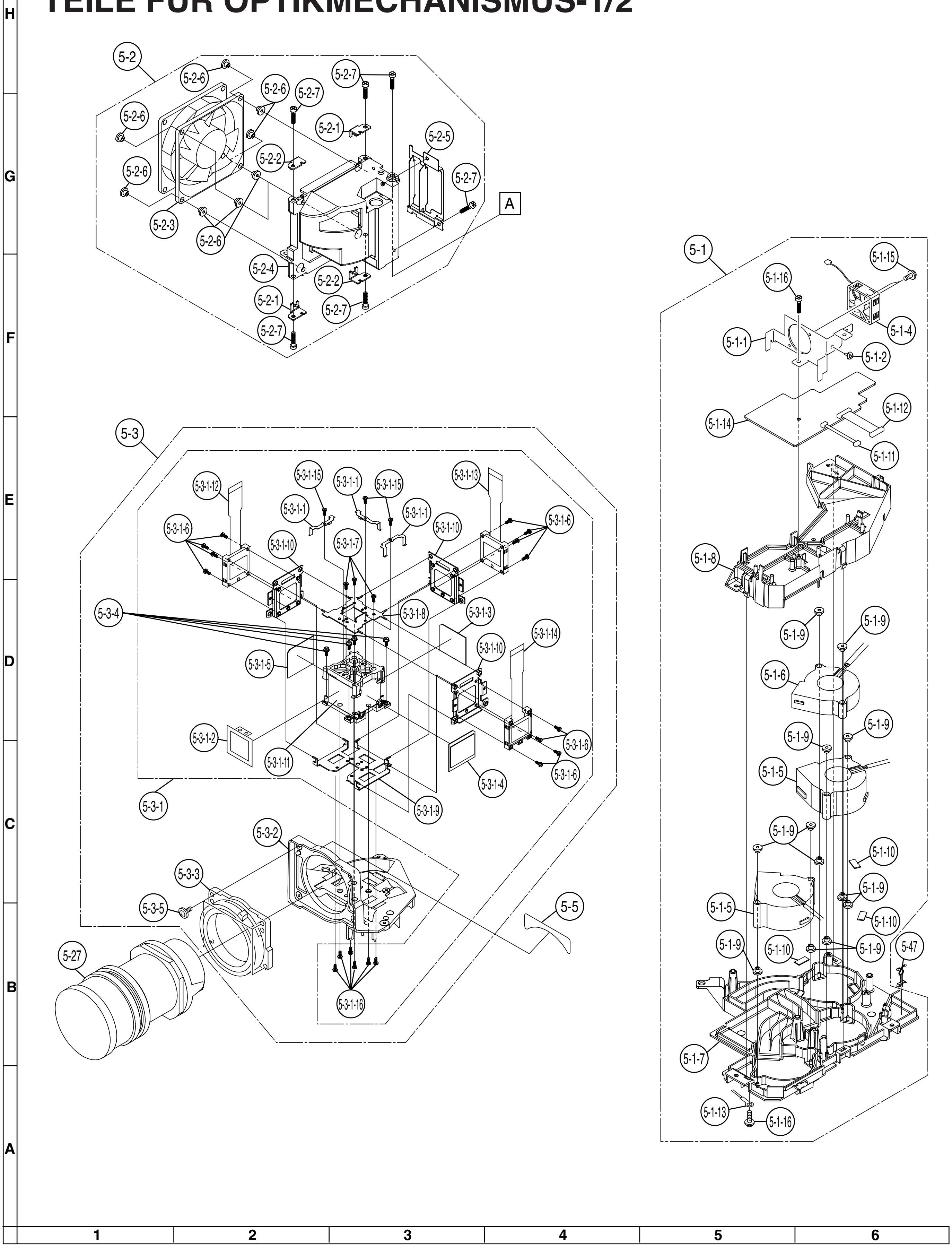
OPTICAL MECHANISM PARTS

Ref. No.	Part No.	★	Description	Code
5	CCHSKA001WJ61	J	Optical Mechanism Unit	
5-1	*Not Available*	–	Intake Duct Ass'y	—
5-1-1	LANGKA116WJFW	J	IC Fan Angle	AG
5-1-2	LHLDW1037CEZZ	J	Wire Holder, x1	AA
5-1-3	LHLDW1182CEZZ	J	Cable Clamp, x1	AC
5-1-4	NFANRA005WJZZ	J	Cooling Fan, x1	AT
5-1-5	NFANSA002WJZZ	J	Blow Fan, x2	AX
5-1-6	NFANSA003WJZZ	J	Blow Fan, x1	AX
5-1-7	PDUC-A001WJKZ	J	Intake Duct(Bottom)	AN
5-1-8	PDUC-A002WJKZ	J	Intake Duct(Top)	AM
5-1-9	PSPAZ0373CEZZ	J	Spacer, for Fan, x12	AC
5-1-10	PSPAZA017WJZZ	J	Spacer, for Fan, x3	AB
5-1-11	QCNW-C171WJQZ	J	Connecting Cord(SO)	
5-1-12	QCNW-A499WJZZ	J	Connecting Cord(EB)	AH
5-1-13	RH-HXA002WJZZ	J	Thermister	AL
5-1-14	RUNTKA026WJN2	J	Fan Unit	—
5-1-15	XBPSD26P14000	J	Screw, x2	AA
5-1-16	XEBSD30P12000	J	Screw, x2	AA
5-2	*Not Available*	–	Exhaust Duct Ass'y	—
5-2-1	LANGKA004WJFW	J	Fixing Angle, x2	AD
5-2-2	LANGKA005WJFW	J	Fixing Angle, x2	AD
5-2-3	NFANRA003WJZZ	J	Exhaust Fan	AX
5-2-4	PDUC-A003WJKZ	J	Exhaust Duct	AQ
5-2-5	PSLDPA003WJFW	J	Heat Sink	AE
5-2-6	PSPAZ0373CEZZ	J	Spacer, for Fan, x8	AC
5-2-7	XEBSD30P12000	J	Screw, x5	AA
5-3	*Not Available*	–	Prism Holder Unit	—
5-3-1	CMiR-A004WJ61	J	Prism Unit	
5-3-1-1	LANGKA001WJFW	J	Fixing Spring, x3	AD
5-3-1-2	LANGKA036WJ00	J	Light Shielding Angle	AK
5-3-1-3	PFiLWA068WJZZ	J	Output Polarizer(G)	
5-3-1-4	PFiLWA019WJZZ	J	Output Polarizer(B)	BG
5-3-1-5	PFiLWA069WJZZ	J	Output Polarizer(R)	
5-3-1-6	XSSSF20P06000	J	Screw, x12	AA
5-3-1-7	XiPSF20P04000	J	Screw, x3	AA

Note:When exchanging the following parts, it becomes unit replacement correspondence.

Ref. No.	Part No.	★	Description	Code
5-3-1-8	*Not Available*	–	Fixing Angle(Upper)	—
5-3-1-9	*Not Available*	–	Fixing Angle(Lower)	—
5-3-1-10	*Not Available*	–	LCD Attaching Angle, x3	—
5-3-1-11	*Not Available*	–	Cross Dichroic Prism	—
5-3-1-12	*Not Available*	–	R-LCD Panel	—
5-3-1-13	*Not Available*	–	G-LCD Panel	—
5-3-1-14	*Not Available*	–	B-LCD Panel	—
5-3-1-15	XiPSF20P04W00	J	Screw, x3	AC
5-3-1-16	XSSSF20P04000	J	Screw, x6	AB
5-3-2	LHLDZA002WJFW	J	Prism Holder	AZ
5-3-3	LHLDZA036WJFW	J	Lens Mount	BD
5-3-4	LX-BZ3248CEFF	J	Screw, x4	AB
5-3-5	XBPSF30P08JS0	J	Screw, x4	AA
⚠ 5-4	BQC-XGC55X//1	J	Lamp Unit	CL
5-4-1	*Not Available*	–	Lamp Case Ass'y	—
5-4-1-1	LX-BZ3449CEFN	J	Screw, x2	AC
5-4-1-2	PCASZA002WJKZ	J	Lamp Case	AR
5-4-1-3	PSLDHA001WJFW	J	Heat Sink	AE
5-4-1-4	XREUW20-04000	J	E-ring, x2	AA
5-4-3	LANGUA006WJFW	J	Lamp Adjusting Angle	AP
5-4-4	MSPRKA002WJFW	J	Reflector Fixing Angle, x2	AD
⚠ 5-4-6	RLMPFA009WJZZ	J	Lamp	CG
5-4-7	TLABZA429WJZZ	J	Caution Label	AC
5-4-9	XBPSF30P08JS0	J	Screw, x6	AA
5-4-14	XEBSD30P12000	J	Screw, x1	AA
5-5	GCOVUA003WJKZ	J	Light Shield Plate	AD
5-6	LANGKA037WJFW	J	Temp. Sensor Attaching Angle	AD
5-7	LCHSKA001WJKZ	J	Optical Mecha. Unit, Base	AY
5-8	LCHSKA002WJKZ	J	Optical Mecha. Unit, Cover	AV
5-9	LHLDW1046CEZZ	J	Wire Holder, x2	AA
5-10	LHLDW1076GEZZ	J	Cable Clamp Holder, x3	AA
5-11	LHLDZA001WJKZ	J	Mirror Adj. Holder, x3	AD
5-12	MSPRP1198CEFW	J	Mirror Fixing Spring, x6	AD
5-13	NFANSA002WJZZ	J	Blow Fan	AV
5-14	NFANSA003WJZZ	J	Blow Fan	AU
5-15	PCOVZA001WJKZ	J	PBS Fan Holder	AH
5-16	PCOVZA002WJKZ	J	Lamp House	AS
5-16	LHLDW1182CEZZ		Hoder	AC
5-17	PFiLWA049WJZZ	J	Incoming PF(G)	BF
5-18	PFiLWA022WJZZ	J	Incoming PF(B)	BG
5-19	PFiLWA023WJZZ	J	Incoming PF(R)	BD
5-20	PFiLWA043WJZZ	J	UV Absorbing Filter	AW
5-21	PLNS-A027WJZZ	J	Fly-eye Lens-1	BL
5-22	PLNS-A007WJZZ	J	Fly-eye Lens-2	BS
5-23	PLNS-A008WJZZ	J	Condenser Lens-1	AX
5-24	PLNS-A009WJZZ	J	Condenser Lens-2, x2	AS
5-25	PLNS-A010WJZZ	J	Relay Lens-1	AT
5-26	PLNS-A011WJZZ	J	Relay Lens-2	AQ
5-27	PLNS-A012WJSA	J	Projection Lens	BZ
5-28	PLNS-A015WJZZ	J	Relay Lens-3	AS
5-29	PMiR-0219CEZZ	J	Reflection Mirror(M3)	AS
5-30	PMiR-A005WJZZ	J	Reflection Mirror(M1)	AZ
5-31	PMiR-A006WJZZ	J	Reflection Mirror(M2)	AV
5-32	PMiR-A008WJZZ	J	Reflection Mirror(M4)	AM
5-33	PMiR-A009WJZZ	J	Reflection Mirror(M5)	AL
5-34	PSLDHA003WJFW	J	Heat Sink, for Lamp House	AF
5-35	PSLDHA004WJFW	J	Heat Sink, for Lamp House	AF
5-36	PSPAT0076CEZZ	J	Teflon Tape, x2	AC
5-37	PSPAZ0373CEZZ	J	Fan Spacer, x2	AC
5-38	PSPAZA013WJZZ	J	Mirror Spacer, x10	AB
5-39	PSPAZA014WJZZ	J	Blow Fan Spacer, x3	AD
5-40	PSPAZA016WJZZ	J	Fixing Spacer, x13	AB
5-41	PSPAZA017WJZZ	J	Fan Spacer, x2	AB
5-42	PSPAZA090WJZZ	J	Glass Tape, x1	AF
5-43	QCNW-A546WJZZ	J	Connecting Cord	AG
5-44	RH-HXA003WJZZ	J	Temp. Sensor	AH
5-45	XBPSF30P08JS0	J	Screw, x22	AA
5-46	XEBSD30P12000	J	Screw, x4	AA
5-47	LHLDW1182CEZZ	J	Hoder	AC

OPTICS MECHANISM PARTS-1/2
TEILE FÜR OPTIKMECHANISMUS-1/2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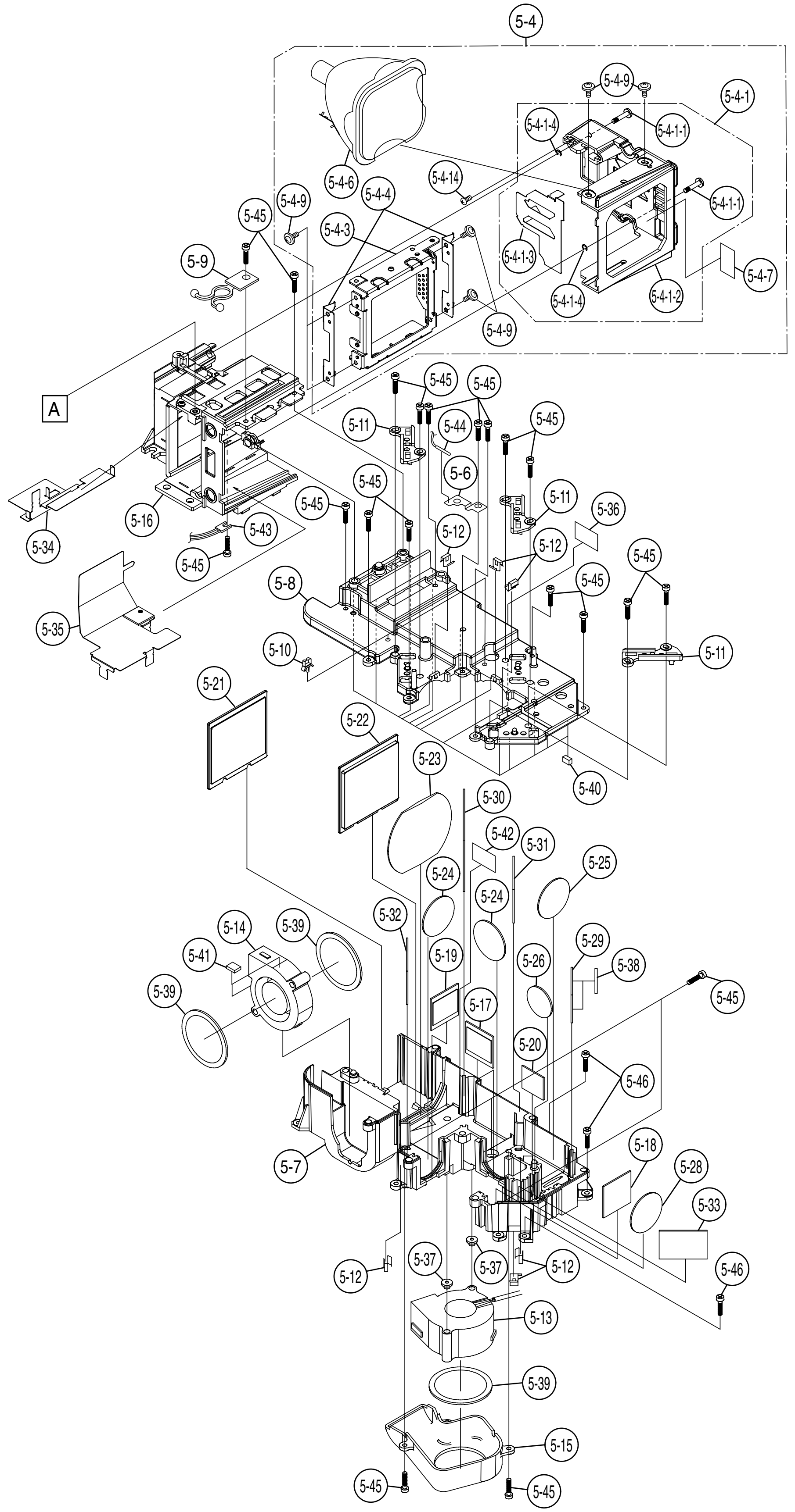
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SUPPLIED ACCESSORIES

Ref. No.	Part No.	★	Description	Code
	PFiLDA005WJZZ	J	Extra Air Filter	AF
⚠	QACCDA010WJPZ	J	Power Cord (for U.S., Canada, etc)	AR
⚠	QACCVA011WJPZ	J	Power Cord (for Europe except U.K. and Korea)	AT
⚠	QACCBA012WJPZ	J	Power Cord (for U.K., Hong Kong and Singapore)	AX
⚠	QACCLA018WJPZ	J	Power Cord(for Australia, New Zealand and Oceania)	
	QCNWGA012WJPZ	J	RGB Cable	AS
	QCNWG0007CEPZ	J	USB Cable	AL
	QCNWGA015WJPZ	J	DIN-D-sub RS-232C Adaptor	AK
	RCORF0083CEZZ	J	Core, for Power Cord (for U.S., Canada, etc)	AL
	RRMCGA176WJSA	J	Remote Control	BA
	95E103RRC21202	J	Battery Cover	AE
	TCADEA095WJZZ	J	Questionnaire Card	
	TCAUZA015WJZZ	J	Stipulation Card	AE
	TiNS-B043WJZZ	J	Operation Manual	
	TiNS-A867WJZZ	J	Operation Manual (Install Guide)	AG
	TLABZA364WJZZ	J	Quick Guide Label	AF
	UDSKAA042WJZZ	J	CD-ROM(INS)	AQ
	UDSKAA043WJZZ	J	CD-ROM(SAPS)	AQ
	CGAN-A234WJ01	J	ER Package (for U.S., Canada)	
	RUNTKA061WJZZ	J	Remote Mouse Receiver	BL

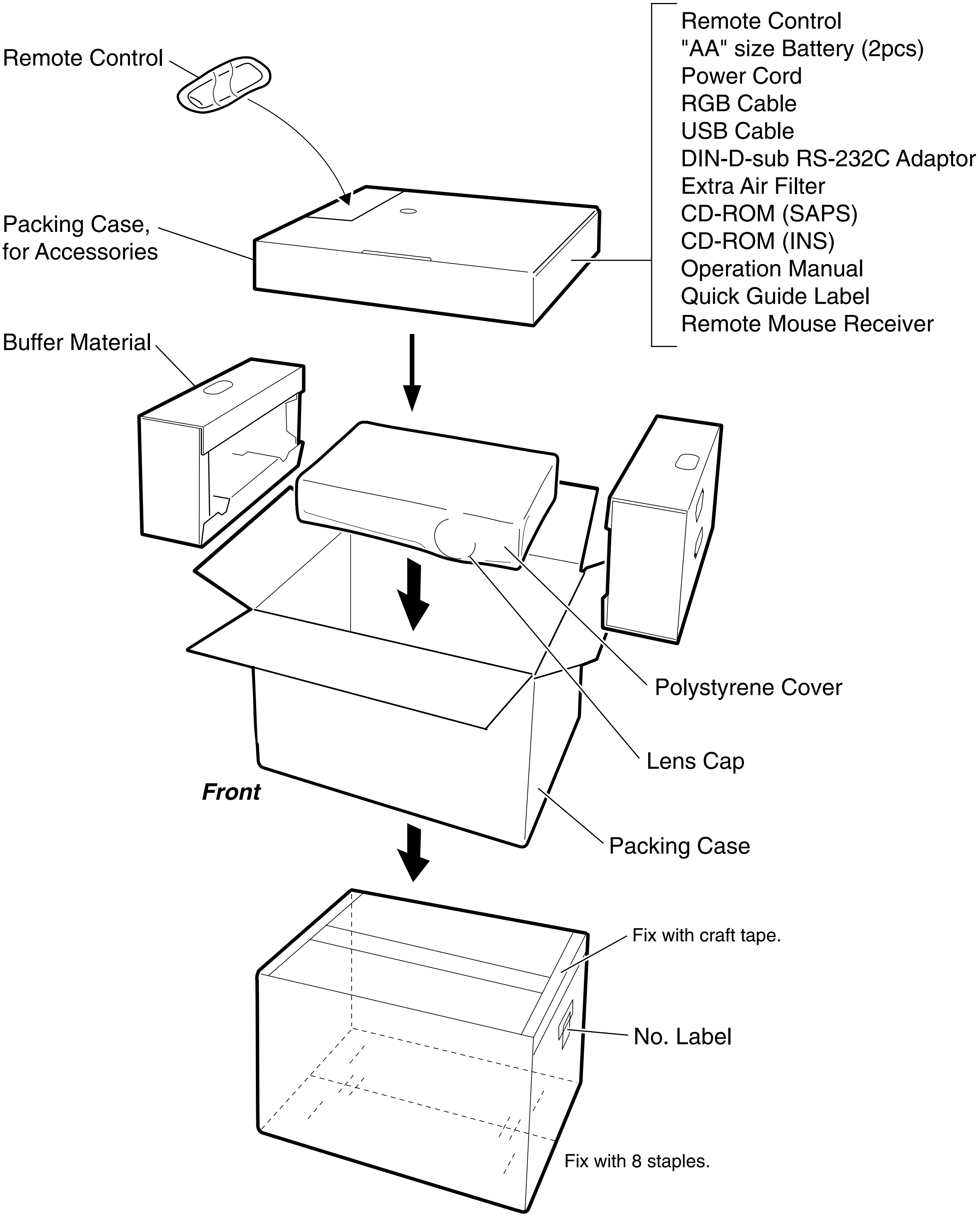
PACKING PARTS
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	SPAKCB071WJZZ	–	Packing Case (for U.S., Canada, Europe except U.K., Korea, Australia, New Zealand and Oceania)	—
	SPAKCB182WJZZ	–	Packing Case (for U.K., Hong Kong and Singapore)	—
	SPAKFA040WJZZ	–	Packing Case, for Accessories	—
	SPAKFA071WJZZ	–	Partition	—
	SPAKP0805CEZZ	–	Polystylene Cover	—
	SPAKXA053WJZZ	–	Buffer Material, x2	—
	SSAKA0160CEZZ	–	Polyethylene Bag	—
	TLABK0001TAZZ	–	No. Label	—
	TLABK0023TAZZ	–	No. Label	—

EXTENSION CABLE
(Use for servicing)

Ref. No.	Part No.	★	Description	Code
	QCNW-A868WJZZ	J	Connecting Cord (Output-Input)	CE
	QCNW-A869WJZZ	J	Connecting Cord (Output-PC I/F)	CE
	QCNW-A870WJZZ	J	Connecting Cord (Output-PC I/F)	CE
	QCNW-5688CEZZ	J	Connecting Cord, x3 (Output-LCD)	BK

PACKING OF THE SET/VERPACKEN DES GERÄTS


Remote Control
Packing Case, for Accessories
Buffer Material
Remote Control
"AA" size Battery (2pcs)
Power Cord
RGB Cable
USB Cable
DIN-D-sub RS-232C Adaptor
Extra Air Filter
CD-ROM (SAPS)
CD-ROM (INS)
Operation Manual
Quick Guide Label
Remote Mouse Receiver
Polystyrene Cover
Lens Cap
Front
Packing Case
Fix with craft tape.
No. Label
Fix with 8 staples.

SHARP

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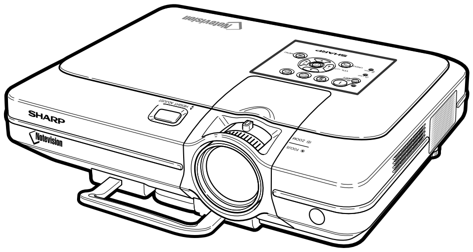
AV Systems Group
Quality & Reliability Control Center
Yaita, Tochigi 329-2193, Japan

SHARP SERVICE MANUAL
SERVICE-ANLEITUNG

S63E7XG-C55XU



LCD PROJECTOR
LCD PROJEKTOR

MODEL MODELL XG-C55X

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

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SHARP CORPORATION

This document has been published to be used for
after sales service only.
The contents are subject to change without notice.

Specifications

Product type	LCD Projector
Model	XG-C55X
Video system	NTSC 3.58/NTSC 4.43/PAL/PAL-M/PAL-N/PAL 60/SECAM/ DTV480I/DTV480P/DTV540P/DTV580I/DTV580P/DTV720P/DTV1035I/DTV1080I
Display method	LCD panel × 3, RGB optical shutter method
LCD panel	Panel size: 0.99" (25.1 mm) (15 [H] × 20 [W] mm) No. of dots: 786,432 dots (1,024 [H] × 768 [V])
Standard lens	1—1.27× zoom lens, F1.7—2.2, f = 36.5—46.3 mm
Projection lamp	SHP 300 W
Component input signal (INPUT1/2)	15-pin mini D-sub connector Y: 1.0 Vp-p, sync negative, 75 Ω terminated P_B: 0.7 Vp-p, 75 Ω terminated P_R: 0.7 Vp-p, 75 Ω terminated
Horizontal resolution	750 TV lines (DTV720P)
Computer RGB input signal (INPUT 1/2)	15-pin mini D-sub connector RGB separate/sync on green type analog input: 0—0.7 Vp-p, positive, 75Ω terminated HORIZONTAL SYNC. SIGNAL: TTL level (positive/negative) VERTICAL SYNC. SIGNAL: Same as above
Video input signal (INPUT 3)	RCA connector: VIDEO, composite video, 1.0 Vp-p, sync negative, 75 Ω terminated
S-video input signal (INPUT 4)	4-pin mini DIN connector Y (luminance signal): 1.0 Vp-p, sync negative, 75 Ω terminated C (chrominance signal): Burst 0.286 Vp-p, 75 Ω terminated
Computer control signal (RS-232C)	9-pin mini DIN connector
Pixel clock	12—230 MHz
Vertical frequency	43—200 Hz*
Horizontal frequency	15—126 kHz
Audio input signal	ϕ3.5 mm minijack: AUDIO, 0.5 Vrms, more than 47 kΩ (stereo)
Audio output	3.0 W (monaural)
Speaker system	4 cm × 7 cm
Rated voltage	AC 100–240V
Input current	4.0 A
Rated frequency	50/60 Hz
Power consumption	400 W (Standard mode)/325 W (Low power mode) with AC 100 V 380 W (Standard mode)/310 W (Low power mode) with AC 240 V
Power consumption (standby)	0.5 W (AC 100 V) – 0.8 W (AC 240 V) (When “Mntr.out/RS232” is set to “OFF”)
Heat dissipation	1,505 BTU/hour (Standard mode)/1,220 BTU/hour (Low power mode) with AC 100 V 1,430 BTU/hour (Standard mode)/1,165 BTU/hour (Low power mode) with AC 240 V
Operating temperature	41°F to 104°F (+5°C to +40°C)
Storage temperature	-4 °F to 140°F (-20 °C to +60°C)
Cabinet	Plastic
I/R carrier frequency	38 kHz
Dimensions (approx.)	15 ⅜" × 3 ⅞" × 11 9⁄16" (390 (W) × 99 (H) × 294 (D) mm) (main body only) 15 ½" × 4 7⁄16" × 11 ⅝" (393 (W) × 114 (H) × 303 (D) mm) (including adjustment foot and projecting parts)
Weight (approx.)	11.3 lbs. (5.1 kg)
Supplied accessories	Remote control, Two R-6 batteries, Power cord for U.S., Canada etc. (11'10", 3.6 m), Power cord for Europe, except U.K. (6', 1.8 m), Power cord for U.K., Hong Kong and Singapore (6', 1.8 m), Power cord for Australia, New Zealand and Oceania (6', 1.8 m), RGB cable (9'10", 3 m), USB cable (3'3", 1 m), DIN-D-sub RS-232C adaptor (5 57⁄64", 15 cm), Remote receiver, Extra air filter, Lens cap (attached), Projector manual and technical reference CD-ROM, Sharp Advanced Presentation Software CD-ROM, Sharp Advanced Presentation Software quick installation guide, Quick guide label, Operation manual
Replacement parts	Lamp unit (Lamp/cage module) (BQC-XGC55X//1), Remote control (RRMCGA176WJSA), Two R-6 batteries (“AA” size, UM/SUM-3, HP-7, or similar), Power cord for U.S., Canada etc. (QACCDA010WJPZ), Power cord for Europe, except U.K. (QACCVA011WJPZ), Power cord for U.K., Hong Kong and Singapore (QACCBA012WJPZ), Power cord for Australia, New Zealand and Oceania (QACCLA014WJPZ), RGB cable (QCNWGA012WJPZ), USB cable (QCNWG0007CEPZ), DIN-D-sub RS-232C adaptor (QCNWGA015WJPZ), Remote receiver (RUNTKA061WJZZ), Air filter (PFILDA005WJZZ), Lens cap (PCAPHA003WJSA), Projector manual and technical reference CD-ROM (UDSKAA035WJZZ), Sharp Advanced Presentation Software CD-ROM (UDSKAA036WJZZ), Sharp Advanced Presentation Software quick installation guide (TINS-A867WJZZ), Quick guide label (TLABZA364WJZZ), Operation manual (TINS-A812WJZZ)

* Temporary noise may be visible with vertical frequencies above 100Hz if OSD functions are activated.

As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

IMPORTANT SERVICE SAFETY NOTES (for USA)

■ **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and servicing guidelines as follows:**

WARNING

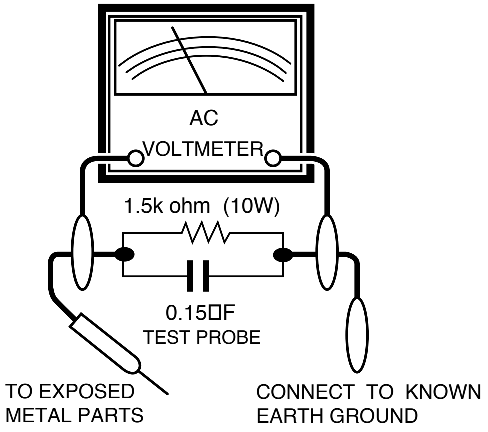
1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

BEFORE RETURNING THE PROJECTOR: (Fire & Shock Hazard)

Before returning the projector to the user, perform the following safety checks:

1. Inspect lead wires are not pinched between the chassis and other metal parts of the projector.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for current leakage in the following manner:

- Plug the AC cord directly into a 120-volt AC outlet, (Do not use an isolation transformer for this test).
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in parallel between all exposed metal cabinet parts and earth ground.
- Use an AC voltmeter with sensitivity of 5000 ohm per volt., or higher, sensitivity to measure the AC voltage drop across the resistor (See Diagram).
- All checks must be repeated with the AC plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these checks.)
  Any reading of 0.3 volts RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the unit to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in Projector have special safety-related characteristics.
These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠" and shaded areas in the Replacement Parts Lists and Schematic Diagrams. For continued protection, replacement parts must be identical to those used in the original circuit. The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

WARNING: The bimetallic component has the primary conductive side exposed. Be very careful in handling this component when the power is on.

AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les projecteur à présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue.
Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.
Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque "⚠" et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques. Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies ou autres accidents.

AVERTISSEMENT: La composante bimétallique dispose du conducteur primaire dénudé. Faire attention lors de la manipulation de cette composante sous tension.

NOTE TO SERVICE PERSONNEL

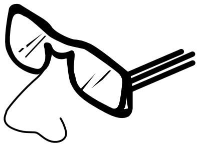
UV-RADIATION PRECAUTION

The light source, metal halide lamp, in the projector emits small amounts of UV-Radiation.

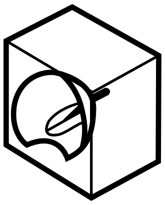
AVOID DIRECT EYE AND SKIN EXPOSURE.

To ensure safety please adhere to the following:

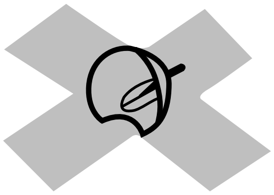
1. Be sure to wear sun-glasses when servicing the projector with the lamp turned “on” and the top enclosure removed.



2. Do not operate the lamp outside of the lamp housing.



3. Do not operate for more than 2 hours with the enclosure removed.



UV-Radiation and High Pressure Lamp Precautions

1. Be sure to disconnect the AC plug when replacing the lamp.
2. Allow one hour for the unit to cool down before servicing.
3. Replace only with same type lamp. Type BQC-XGC55X//1 rated 80V/300W.
4. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
5. The high pressure lamp involves a risk of explosion. Be sure to follow installation instructions described below and handle the lamp with care.

NOTE POUR LE PERSONNEL D’ENTRETIEN

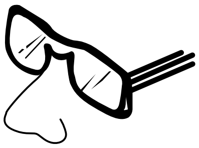
PRECAUTION POUR LES RADIATIONS UV

La source de lumière, la lampe métal halide, dans le projecteur émet de petites quantités de radiation UV.

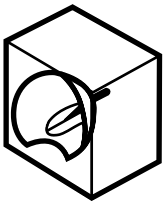
EVITEZ TOUTE EXPOSITION DIRECTE DES YEUX ET DE LA PEAU.

Pour votre sécurité, nous vous prions de respecter les points suivants:

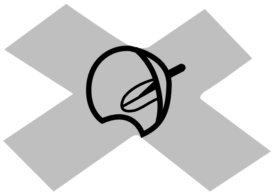
1. Toujours porter des lunettes de soleil lors d’un entretien du projecteur avec la lampe allumée et le haut du coffret retiré.



2. Ne pas faire fonctionner la lampe à l’extérieur du boîtier de lampe.



3. Ne pas faire fonctionner plus de 2 heures avec le coffret retiré.



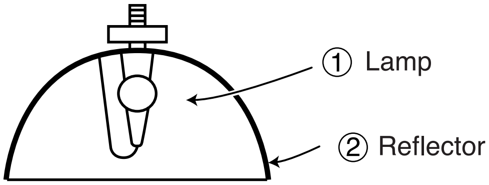
Précautions pour les radiations UV et la lampe haute pression

1. Toujours débrancher la fiche AC lors du remplacement de la lampe.
2. Laisser l’unité refroidir pendant une heure avant de procéder à l’entretien.
3. Ne remplacer qu’avec une lampe du même type. Type BQC-XGC55X//1 caractéristique 80V/300W.
4. La lampe émet de petites quantités de radiation UV- éviter tout contact direct avec les yeux.
5. La lampe haute pression implique un risque d’explosion. Toujours suivre les instructions d’installation décrites ci-dessous et manipuler la lampe avec soin.

UV-RADIATION PRECAUTION (Continued)

■ Lamp Replacement

Note:
Since the lamp reaches a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off. (to allow the lamp to cool off.) Installing the new lamp, make sure not to touch the lamp (bulb) replace the lamp by holding its reflector ②.
[Use original replacement only.]



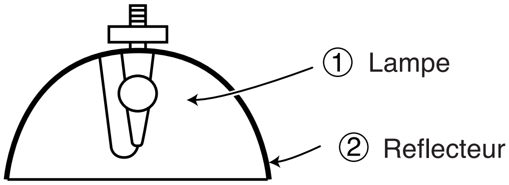
DANGER ! — Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages at its start.

Since small amounts of UV-Radiation are emitted from an opening between the duct cover and the lamp housing, it is recommended to place the LENS CAP on the opening during servicing to avoid eye and skin exposure.

PRECAUTION POUR LES RADIATIONS UV (Suite)

■ Remplacement de la lampe

Remarque:
Comme la lampe devient très chaude pendant le fonctionnement de l'unité, son remplacement ne doit être effectué au moins une heure après avoir coupé l'alimentation (pour permettre à la lampe de refroidir). En installant la nouvelle lampe, s'assurer de ne pas toucher la lampe (ampoule). Remplacer la lampe en tenant son réflecteur ②.
[N'utiliser qu'un remplacement d'origine.]



DANGER ! — Ne jamais mettre sous tension sans la lampe pour éviter un choc électrique ou des dommages des appareils car le stabilisateur génère de hautes tensions à sa mise en route.

Comme de petites quantités de radiation UV sont émises par une ouverture entre le couvercle du conduit et le botier de la lampe,il est recommandé de placer le CAPUCHON D'OPTIQUE sur l'ouverture pendant l'entretien pour éviter une exposition des yeux et la peau.

WARNING: **High brightness light source, do not stare into the beam of light, or view directly. Be especially careful that children do not stare directly in to the beam of light.**

WARNING: **TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO MOISTURE OR WET LOCATIONS.**

CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT REMOVE SCREWS
EXCEPT SPECIFIED USER
SERVICE SCREW

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE CABINET.
NO USER-SERVICEABLE PARTS EXCEPT LAMP UNIT.
REFER SERVICING TO QUALIFIED SERVICE
PERSONNEL.

The lighting flash with arrowhead within a triangle is intended to tell the user that parts inside the product are risk of electric shock to persons.

The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the manual with the projector.

AVERTISSEMENT: **Source lumineuse de grande intensité. Ne pas fixer le faisceau lumineux ou le regarder directement. Veiller particulièrement à éviter que les enfants ne fixent directement le faisceau lumineux.**

AVERTISSEMENT: **AFIN D'EVITER TOUT RISQUE D'INCENDIE OU D'ELECTROCUTION, NE PAS PLACER CET APPAREIL DANS UN ENDROIT HUMIDE OU MOUILLE.**

ATTENTION

RISQUE
D'ELECTROCUTION NE
PASRETIRER LES VIS, A
L'EXCEPTION DES VIS DE
REPARATION UTILISATEUR
SPECIFIEES

ATTENTION: POUR EVITER TOUT RISQUE
D'ELECTROCUTION, NE PAS RETIRER LE CAPOT.
AUCUNE DES PIECES INTERIEURES N'EST REPARABLE
PAR L'UTILISATEUR, A L'EXCEPTION DE L'UNITE DE
LAMPE. POUR TOUTE REPARATION, S'ADRESSER A UN
TECHNICIEN D'ENTRETIEN QUALIFIE.

L'éclair terminé d'une flèche à l'intérieur d'un triangle indique à l'utilisateur que les pi‘eces se trouvant dans l'appareil sont susceptibles de provoquer une décharge électrique.

Le point d'exclamation à l'intérieur d'un triangle indique à l'utilisateur que les instructions de fonctionnement et d'entretien sont détaillées dans les documents fournis avec le projecteur.

Precautions for using lead-free solder

1 Employing lead-free solder

"Input, Output, R/C Receiver, Fan PWB, AC INLET UNIT, POWER UNIT and Key PWB" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example: **LFa**

Sn-Ag-Cu Indicates lead-free solder of tin, silver and copper.

2 Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldening bit, contact our service station or service ranch in your area.

3 Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettabillty, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be excoeded, remove the bit from the PWB as soon as you conurm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to tum on and off the power of the bit as required.

if a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

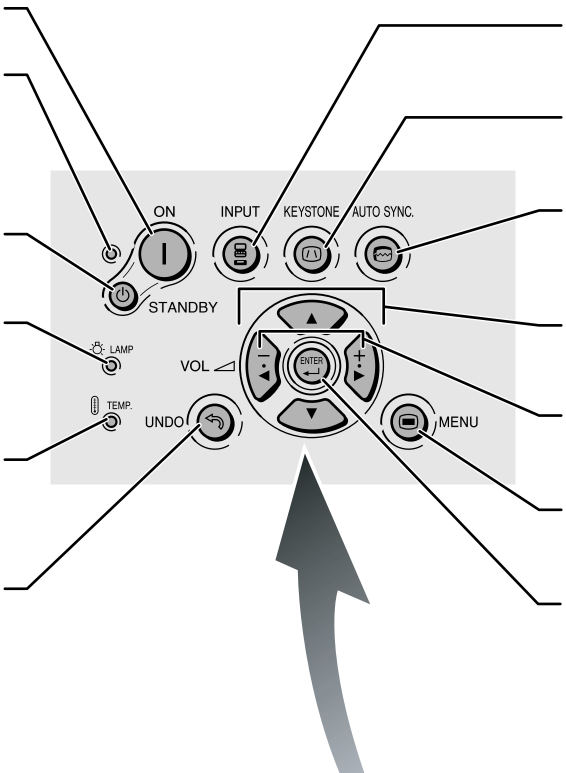
When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Becareful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

Part No.	★	Description	Code
ZHNDAi123250E	J	ϕ0.3mm 250g(1roll)	BL
ZHNDAi126500E	J	ϕ0.6mm 500g(1roll)	BK
ZHNDAi12801KE	J	ϕ1.0mm 1kg(1roll)	BM

Projector (Front and Top View)



ON button
For turning the power on.

Power indicator
Illuminates red, when the projector is in standby. When the power is turned on, this indicator will illuminate green.

STANDBY button
For putting the projector into the standby mode.

Lamp indicator
Illuminates green indicating normal function. Replace the lamp when the indicator illuminates red.

Temperature warning indicator
When the internal temperature rises, this indicator will illuminate red.

UNDO button
For undoing an operation or returning to the default settings.

INPUT button
For switching input mode 1, 2, 3 or 4.

KEYSTONE button
For adjusting Keystone or Digital Shift setting.

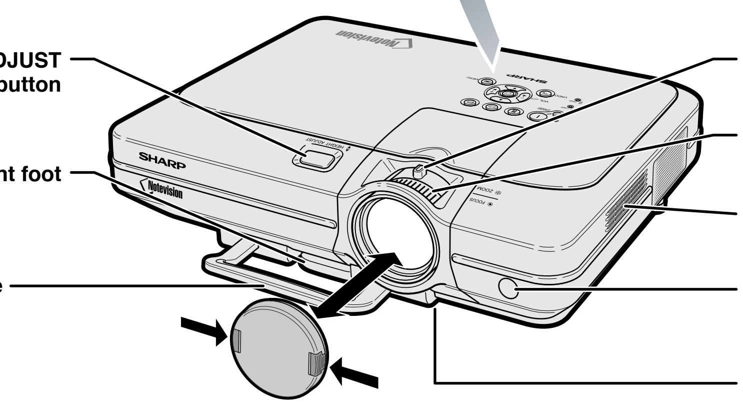
AUTO SYNC button
For automatically adjusting images when connected to a computer.

Adjustment buttons (▲, ▼, ◀, ▶)
For selecting menu items.

VOLUME buttons
For adjusting the speaker sound level.

MENU button
For displaying adjustment and setting screens.

ENTER button
For setting items selected or adjusted on the menu.



HEIGHT ADJUST button

Adjustment foot

Carrying handle

Zoom knob

Focus ring

Intake vent

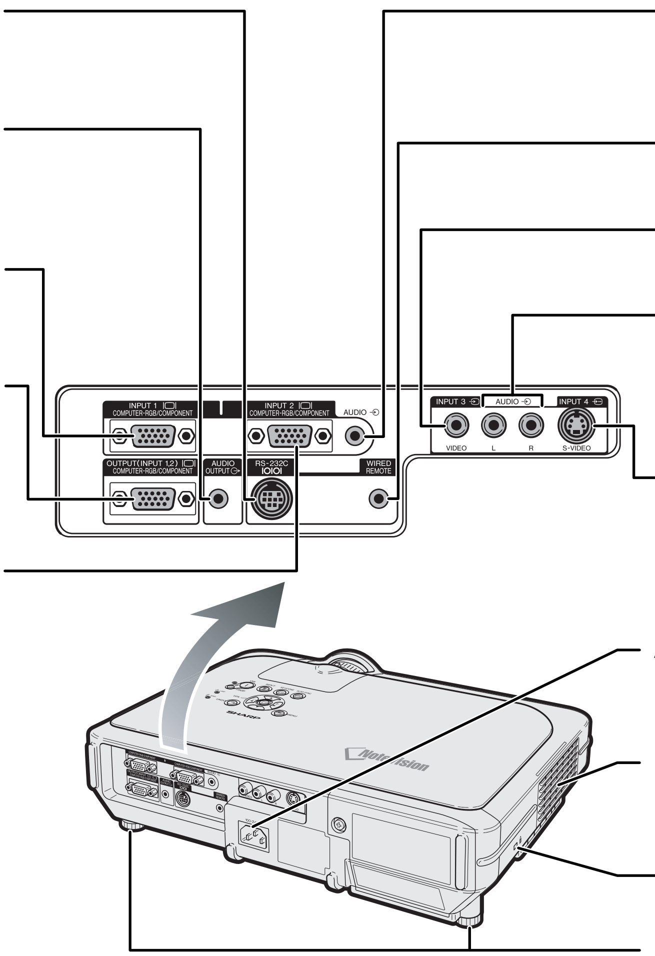
Remote control sensor

Air filter/cooling fan (Intake vent) (on the bottom of the projector)

Attaching and removing the lens cap

- Press on the two buttons of the lens cap and attach it on the lens. Then release the buttons to lock it in place.
- Press on the two buttons of the lens cap and remove it from the lens.

Projector (Rear View)


INPUT 1
COMPUTER-RGB/COMPONENT
INPUT 2
COMPUTER-RGB/COMPONENT
AUDIO
OUTPUT(INPUT 1,2)
COMPUTER-RGB/COMPONENT
AUDIO OUTPUT
RS-232C
WIRED REMOTE
INPUT 3
AUDIO
INPUT 4
VIDEO
L
R
S-VIDEO

RS-232C terminal
For controlling projector using a computer.

AUDIO OUTPUT terminal
Shared audio output terminal for INPUT 1, 2, 3 and 4.

INPUT 1 terminal
Terminal for computer RGB and component signals.

OUTPUT (INPUT 1, 2) terminal
Shared computer RGB and component signals output terminal for INPUT 1 and 2.

INPUT 2 terminal
Terminal for computer RGB and component signals.

AUDIO INPUT 1, 2 terminal
Shared audio input terminal for INPUT 1 and 2.

WIRED REMOTE control input terminal

INPUT 3 terminal
For connecting video equipment.

AUDIO (L/R) INPUT 3, 4 terminals
Shared audio input terminals for INPUT 3 and 4.

INPUT 4 terminal
Terminal for connecting video equipment with an S-video terminal.

AC socket

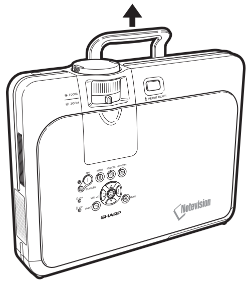
Exhaust vent

Kensington Security Standard connector

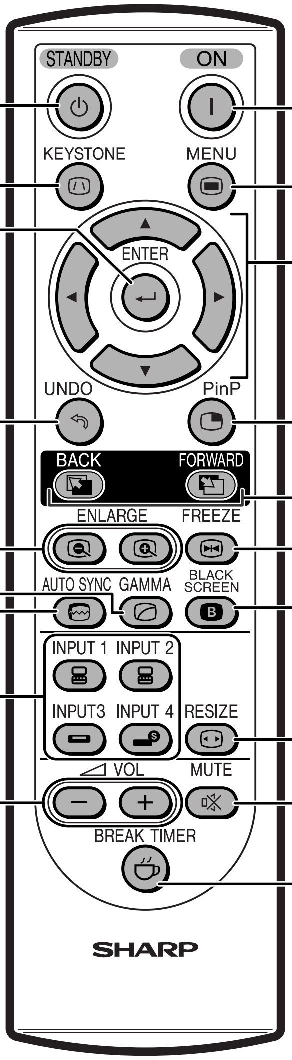
Adjustment Feet

Using the Kensington Lock
- This projector has a Kensington Security Standard connector for use with a Kensington MicroSaver Security System. Refer to the information that came with the system for instructions on how to use it to secure the projector.

Carrying the projector
Before carrying the projector, fully extend the carrying handle.



Remote Control (Front View)


STANDBY
ON
KEYSTONE
MENU
ENTER
UNDO
PinP
BACK
FORWARD
ENLARGE
FREEZE
AUTO SYNC
GAMMA
BLACK SCREEN
B
INPUT 1
INPUT 2
INPUT3
INPUT 4
RESIZE
VOL
MUTE
BREAK TIMER
SHARP

STANDBY button
For putting the projector into the standby mode.

KEYSTONE button
For adjusting Keystone or Digital Shift setting.

ENTER button
For setting items selected or adjusted on the menu.

UNDO button
For undoing an operation or returning to the default settings.

ENLARGE (Enlarge/Reduce) buttons
For enlarging or reducing part of the image.

GAMMA button
For correcting the brightness of an image, when the images displayed are hard to see because of the brightness of the room. Four gamma modes are available to choose from.

AUTO SYNC button
For automatically adjusting images when connected to a computer.

INPUT buttons
For switching to the respective input modes.

VOLUME buttons
For adjusting the speaker sound level.

ON button
For turning the power on.

MENU button
For displaying adjustment and setting screens.

Adjustment buttons (▲, ▼, ◀, ▶)
For selecting menu items.

PinP button
For displaying dual pictures.

FORWARD/BACK buttons
Same function as the [Page Down] and [Page Up] keys on a computer keyboard when using the Remote receiver.

FREEZE button
For freezing images.

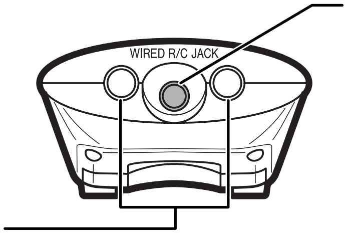
BLACK SCREEN button
For superimposing a black screen.

RESIZE button
For switching the screen size (NORMAL, BORDER, etc).

MUTE button
For temporarily turning off the sound.

BREAK TIMER button
For displaying the break timer.

Remote Control (Top View)

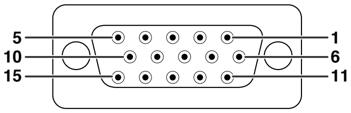

WIRED R/C JACK

WIRED R/C JACK
For controlling the projector by connecting the remote control to the projector.

Remote control signal transmitters

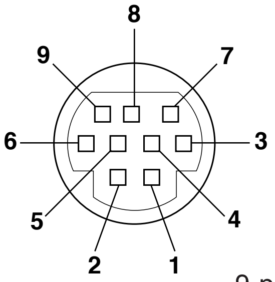
Connection Pin Assignments

INPUT 1/2 RGB and OUTPUT Signal Terminal: 15-pin Mini D-sub female connector



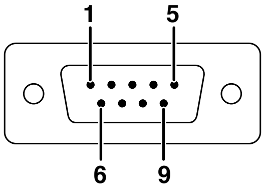
	RGB Input	Component Input
1.	Video input (red)	P_R (C_R)
2.	Video input (green/sync on green)	Y
3.	Video input (blue)	P_B (C_B)
4.	Not connected	Not connected
5.	Not connected	Not connected
6.	Earth (red)	Earth (P_R)
7.	Earth (green/sync on green)	Earth (Y)
8.	Earth (blue)	Earth (P_B)
9.	Not connected	Not connected
10.	GND	Not connected
11.	Not connected	Not connected
12.	Bi-directional data	Not connected
13.	Horizontal sync signal : TTL level	Not connected
14.	Vertical sync signal : TTL level	Not connected
15.	Data clock	Not connected

RS-232C Terminal: 9-pin Mini DIN female connector



Pin No.	Signal	Name	I/O	Reference
1				Not connected
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4				Not connected
5	SG	Signal Ground		Connected to internal circuit
6				Not connected
7	RS			Connected to Pin 8
8	CS			Connected to Pin 7
9				Not connected

9-pin D-sub male connector of the DIN-D-sub RS-232C adaptor

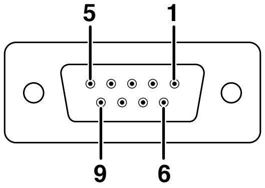


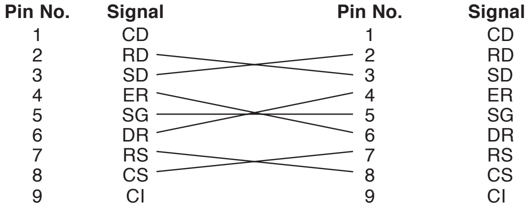
Pin No.	Signal	Name	I/O	Reference
1				Not connected
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4				Not connected
5	SG	Signal Ground		Connected to internal circuit
6				Not connected
7	RS			Connected to internal circuit
8	CS			Connected to internal circuit
9				Not connected

Note

- Pin 8(CS) and Pin 7(RS) are short circuited inside the projector.

RS-232C Cable recommended connection: 9-pin D-sub female connector

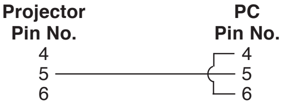




Pin No.	Signal	Pin No.	Signal
1	CD	1	CD
2	RD	2	RD
3	SD	3	SD
4	ER	4	ER
5	SG	5	SG
6	DR	6	DR
7	RS	7	RS
8	CS	8	CS
9	CI	9	CI

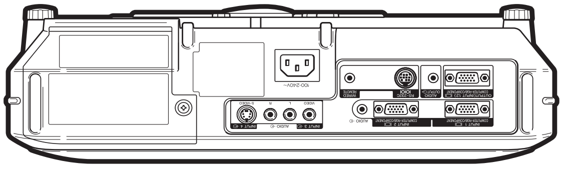
Note

- Depending on the controlling device used, it may be necessary to connect Pin 4 and Pin 6 on the controlling device (e.g. PC).

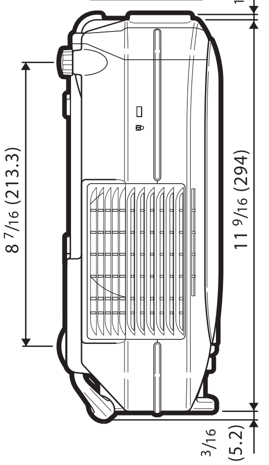


Dimensions

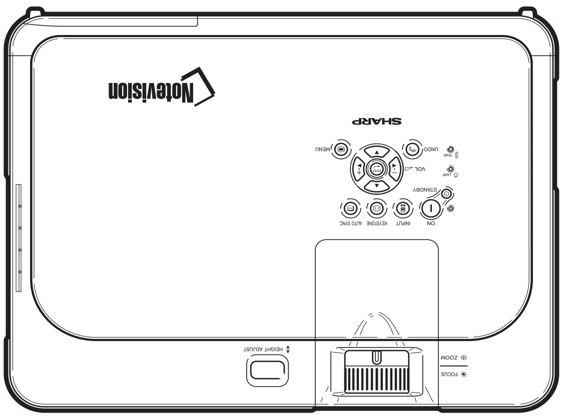
Rear View



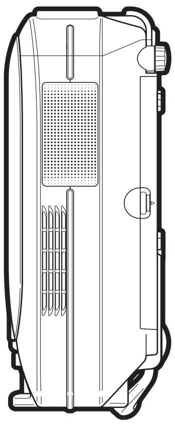
Side View


1/8 (4)
8 7/16 (213.3)
11 9/16 (294)
3/16 (5.2)

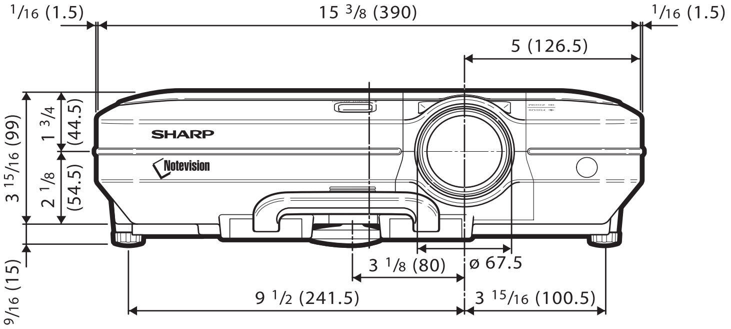
Top View



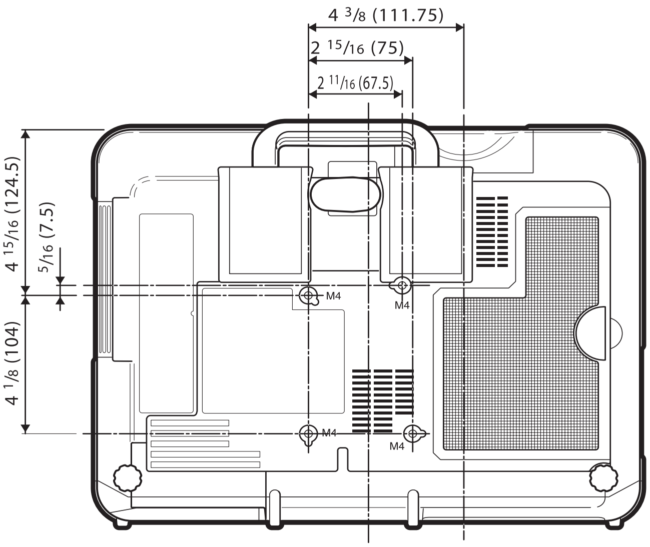
Side View



Front View


1/16 (1.5)
15 3/8 (390)
1/16 (1.5)
5 (126.5)
1 3/4 (44.5)
3 15/16 (99)
2 1/8 (54.5)
9/16 (15)
SHARP
Notevision
3 1/8 (80)
ø 67.5
9 1/2 (241.5)
3 15/16 (100.5)

Bottom View


4 3/8 (111.75)
2 15/16 (75)
2 11/16 (67.5)
4 15/16 (124.5)
5/16 (7.5)
4 1/8 (104)
M4
M4
M4
M4

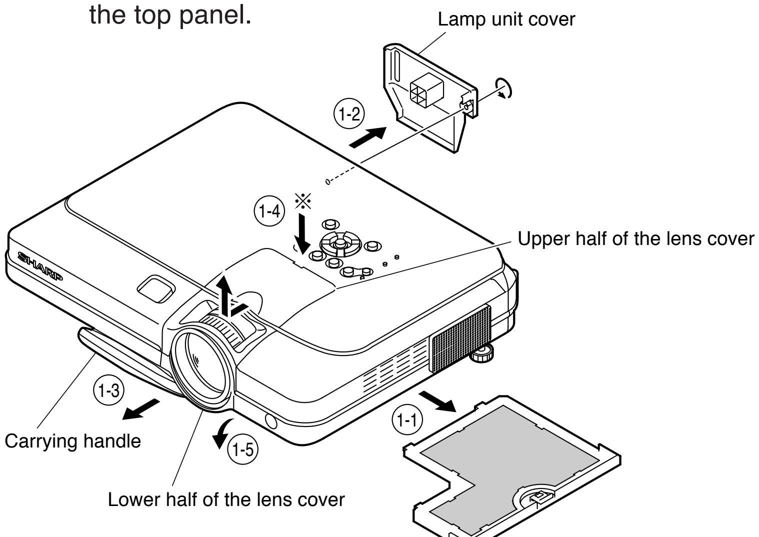
REMOVING OF MAJOR PARTS

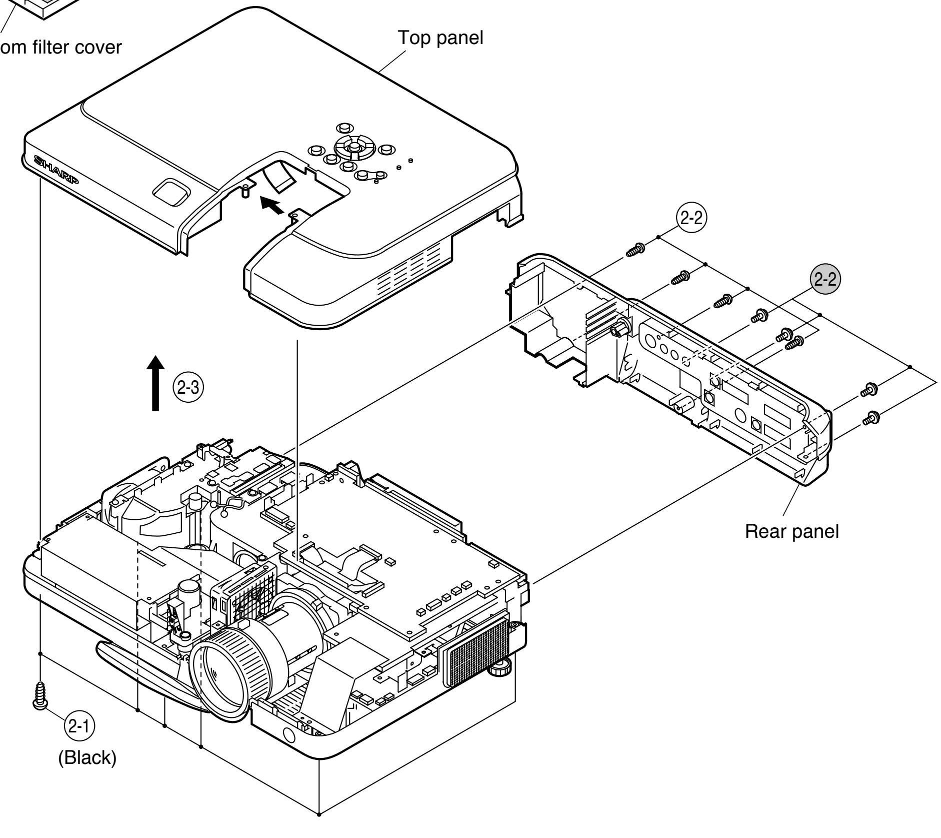
1. Removal of the bottom filter cover and lamp unit cover

1-1. Detach the bottom filter cover.
1-2. Loosen the lock screw from the lamp unit cover, and detach the lamp unit cover.
1-3. Pull out the carrying handle.
1-4. Press the ∗-marked spot of the upper half of the lens cover to unhook the claw, and detach the upper lens cover.
1-5. Detach the lower half of the lens cover.

2. Removal of the top panel and rear panel

2-1. Remove the six lock screws (black) from the top panel.
2-2. Remove the eight lock screws from the rear panel and detach the rear panel.
((2-2):XEBSF30P12000, (2-2):XBBSF30P10000)
2-3. Slowly lift the top panel and disconnect the connector from the key PWB. Remove another screw and detach the top panel.


Lamp unit cover
1-2
1-4
※
Upper half of the lens cover
1-3
Carrying handle
1-5
Lower half of the lens cover
1-1
Bottom filter cover

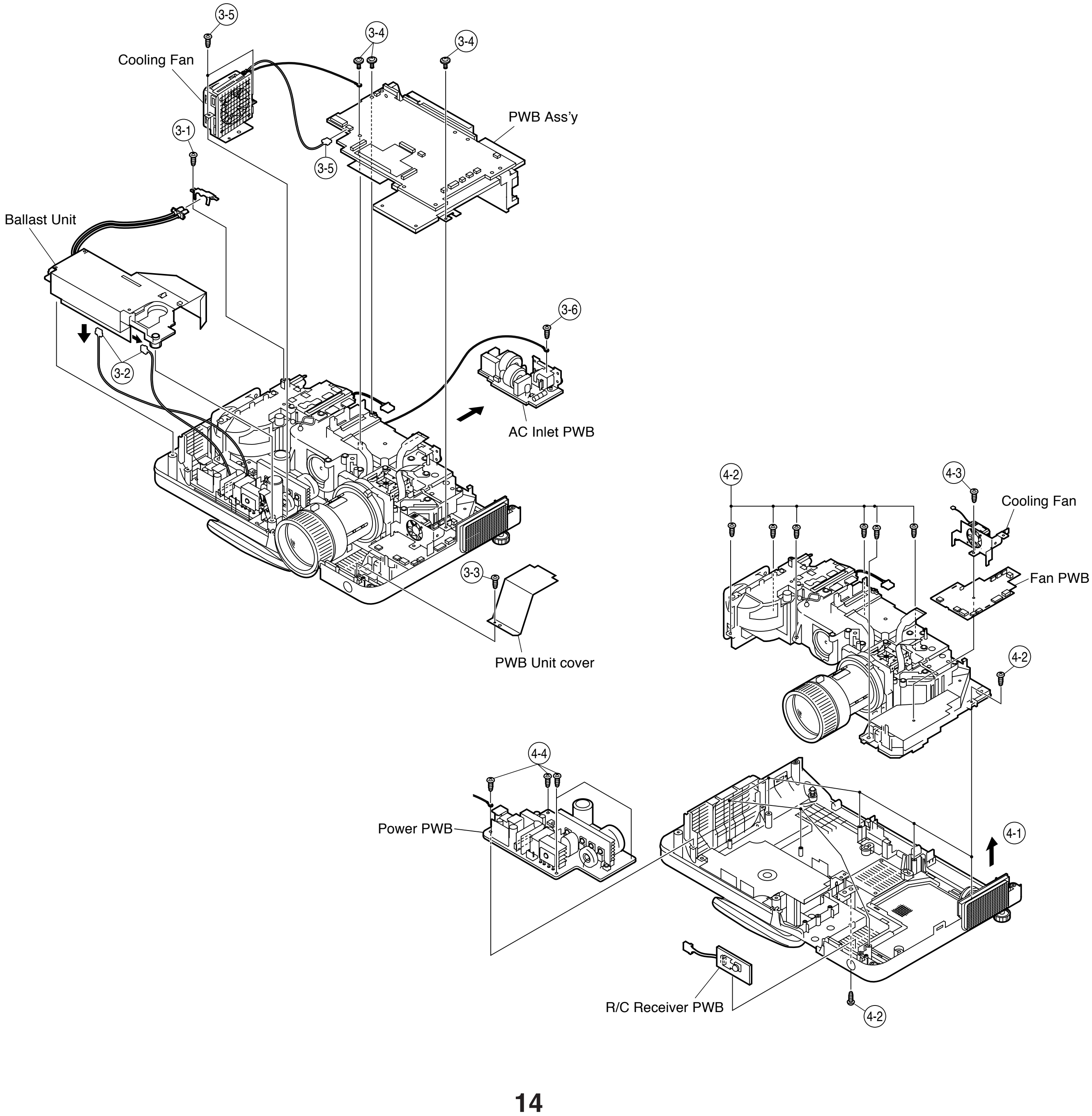

Top panel
2-2
2-2
2-3
Rear panel
2-1
(Black)

3. Removal of the PWBs

3-1. Remove the lock screw from the lamp socket angle. Detach the lamp socket angle.
3-2. Lift the ballast unit. Disconnect the two connectors and detach the ballast unit.
3-3. Remove the lock screw from the PWB unit cover and detach the cover.
3-4. Remove the three lock screws from the PWB assembly.
3-5. Remove the two lock screws from the cooling fan, disconnect the connector and detach the cooling fan.
3-6. Remove the lock screw from the grounding terminal, disconnect the connector and detach the AC inlet PWB.

4. Removal of the optical mechanism, fan PWB, power PWB and R/C receiver PWB

4-1. Disconnect the connector and detach the speaker unit.
4-2. Remove the eight lock screws from the optical mechanism, and take out the optical mechanism.
4-3. Remove the lock screw from the cooling fan, and detach the cooling fan and fan PWB.
4-4. Remove the four lock screws from the power PWB, and detach the power PWB.
4-5. Take out the R/C receiver PWB.


3-5
3-4
3-4
Cooling Fan
PWB Ass'y
3-1
3-5
Ballast Unit
3-6
3-2
AC Inlet PWB
3-3
PWB Unit cover
4-2
4-3
Cooling Fan
Fan PWB
4-2
4-4
Power PWB
4-1
R/C Receiver PWB
4-2

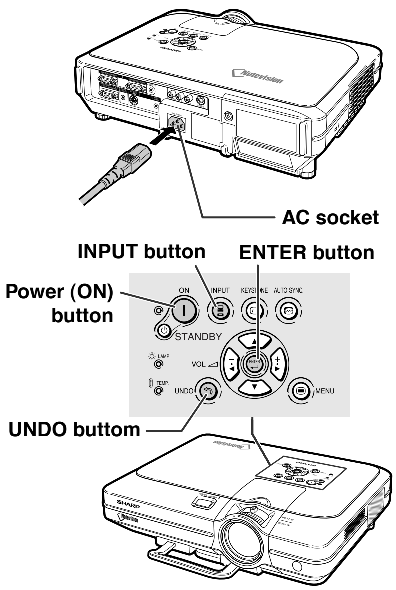
RESETING THE TOTAL LAMP TIMER

1 Connect the power cord.

- Plug the power cord into the AC socket of the projector.

2 Reset the lamp timer.

- While pressing simultaneously INPUT, ENTER and UNDO on the projector, press ON on the projector.
- "LAMP 100%" is displayed, indicating that the lamp timer is reset.

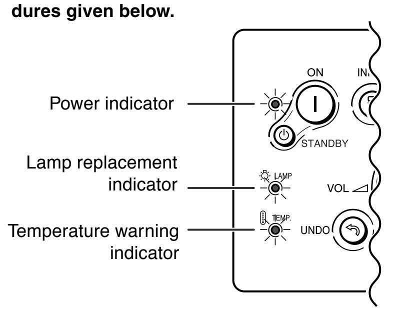


Info

- Make sure to reset the lamp timer only when replacing the lamp. If you reset the lamp timer and continue to use the same lamp, this may cause the lamp to become damaged or explode.

■ **The warning lights on the projector indicate problems inside the projector.**

■ **If a problem occurs, either the temperature warning indicator or the lamp replacement indicator will illuminate red, and the power will turn off. After the power has been turned off, follow the procedures given below.**



About the temperature warning indicator

If the temperature inside the projector increases, due to blockage of the air vents, or the setting location, "TEMP." will blink in the lower left corner of the picture. If the temperature keeps on rising, the lamp will turn off and the temperature warning indicator will blink, the cooling fan will run for further 90 seconds, then the power will be shut off. After "TEMP." appears, be sure to perform the following measures.

About the lamp replacement indicator

Change The Lamp.

■ The lamp life becomes 0%, when used for approximately 3,000 hours with "ON" in "Power Save" or when used for approximately 2,000 hours with "OFF" in "Power Save".

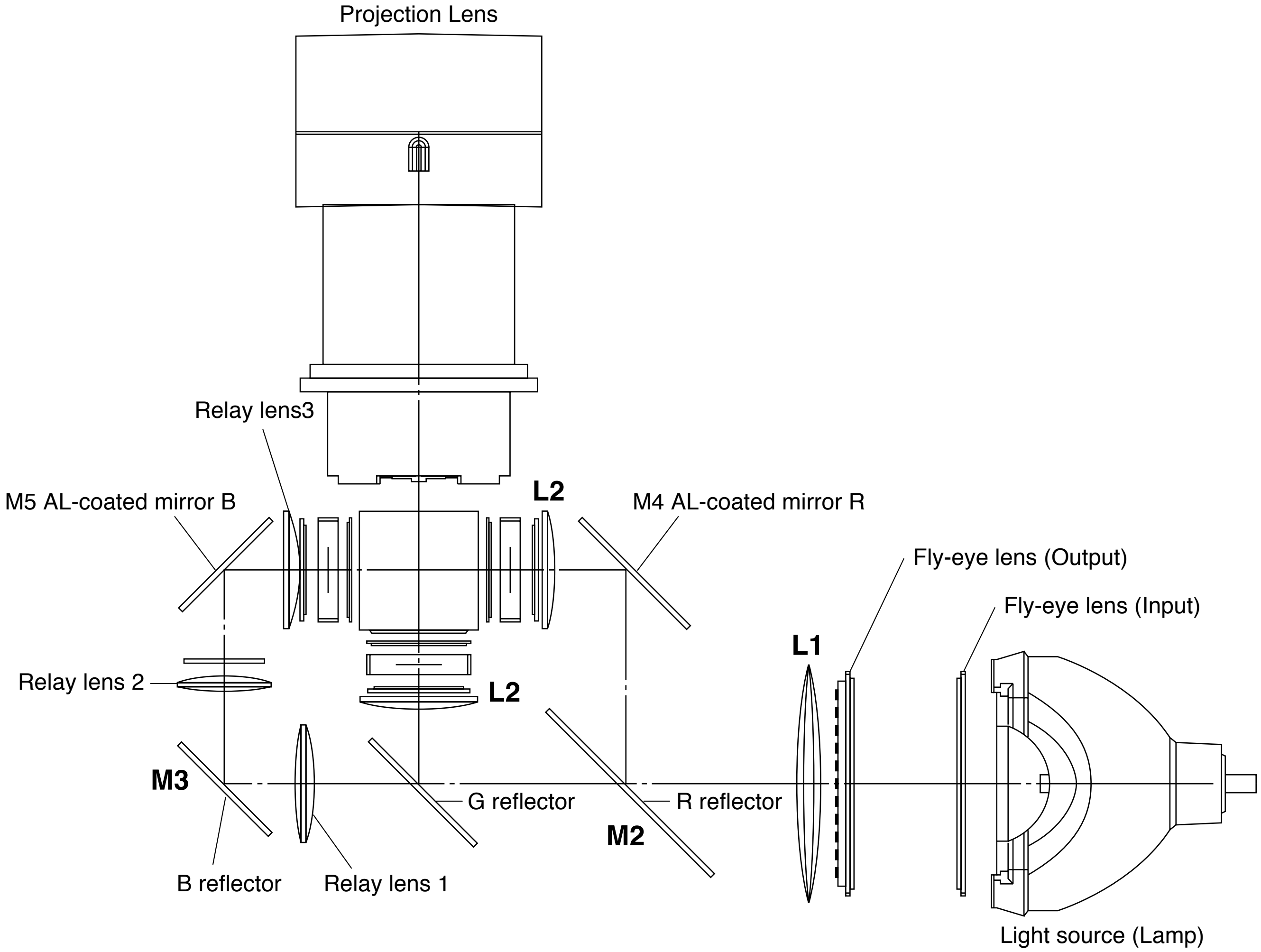
■ When the remaining lamp life becomes 6% or less, "☒" will be displayed on the screen in yellow. When the percentage becomes 0%, "☒" will change to "☒" (red), the lamp will automatically turn off and then the projector as well. At this time, the lamp replacement indicator will illuminate in red.

■ If you try to turn on the projector a fourth time without replacing the lamp, the projector will not turn on.

Maintenance indicator			Condition	Problem	Possible Solution
	Normal	Abnormal			
Temperature warning indicator	Off	Red on/ Power off	The internal temperature is abnormally high.	Blocked air intake	• Relocate the projector to an area with proper ventilation.
				• Cooling fan breakdown • Internal circuit failure • Clogged air intake	• Take the projector to your nearest Sharp Authorized Projector Dealer or Service Center for repair.
Lamp replacement indicator	Green on (Green blinks when the lamp is active.)	Red blinks/ Red on	Time to change the lamp	• Remaining lamp life becomes 6% or under.	• Carefully replace the lamp. • Take the projector to your nearest Sharp Authorized Projector Dealer or Service Center for repair. • Please exercise care when replacing the lamp.
		Red on/ Power off	The lamp does not illuminate.	• Burnt-out lamp • Lamp circuit failure	
Power indicator	Green on/ Red on	Red blinks	The power indicator blinks in red when the projector is on.	• The filter cover, lamp unit cover or lens cover is open.	• Securely install the filter cover. • If the power indicator blinks even when the filter cover is securely installed, contact your nearest Sharp Authorized Projector Dealer or Service Center for advice.

THE OPTICAL UNIT OUTLINE

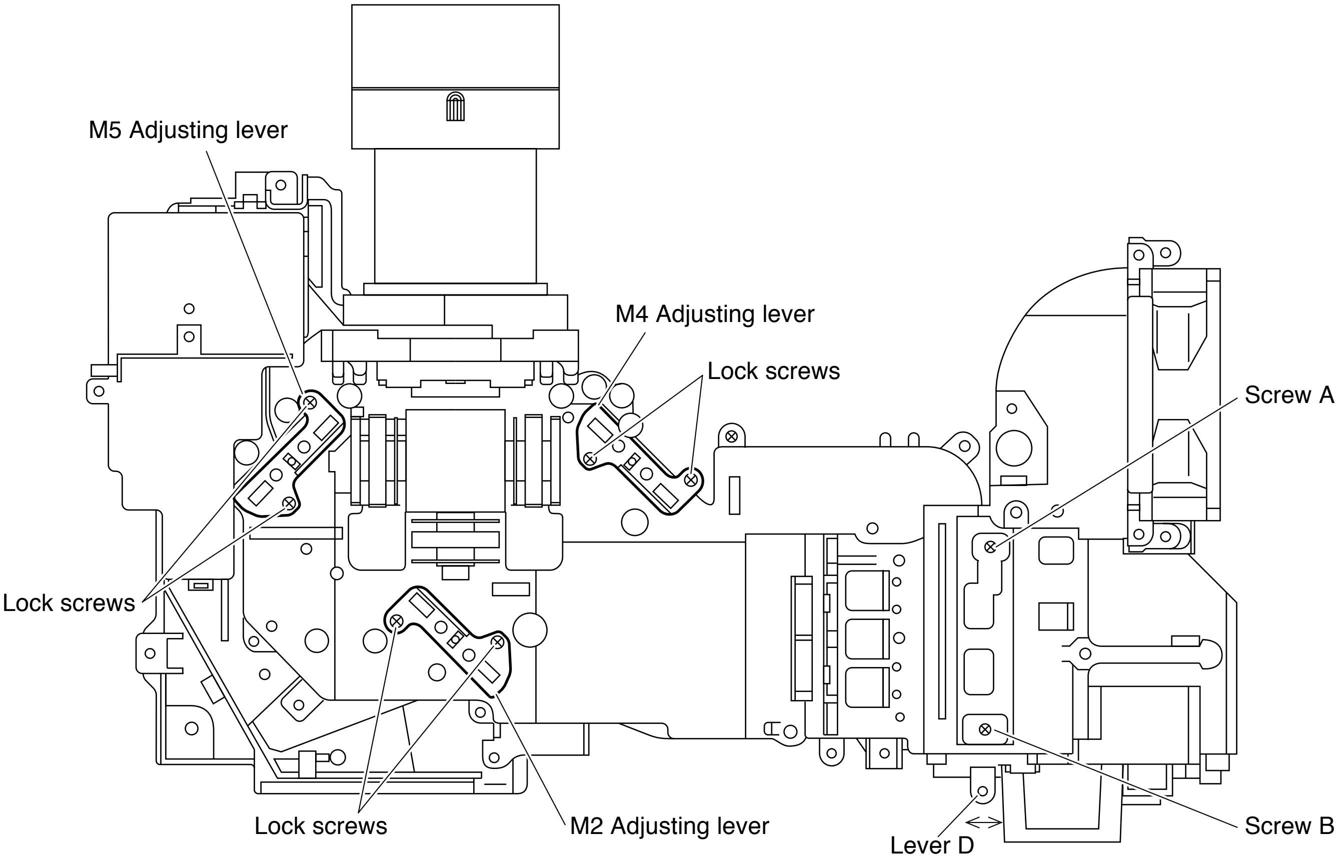
Layout for proper setup of the optical components and parts (top view)


Projection Lens
Relay lens3
M5 AL-coated mirror B
L2
M4 AL-coated mirror R
Fly-eye lens (Output)
Fly-eye lens (Input)
L1
Relay lens 2
L2
M3
G reflector
R reflector
M2
B reflector
Relay lens 1
Light source (Lamp)

Adjusting the mirrors

This adjustment is needed when any of the optical parts of the optical mechanism has been replaced.

1. Disconnect the flat cables from all the LCD panels.
2. Light up the lamp.
3. Project a white-light image and check to see if there is any color tint in any direction. If any, use the M2, M4 and M5 adjusting levers.
4. Loosen the adjusting lever lock screws, make adjustments, and tighten up the lock screws.



Correcting color irregularities on white-only screen when replacing the lamp

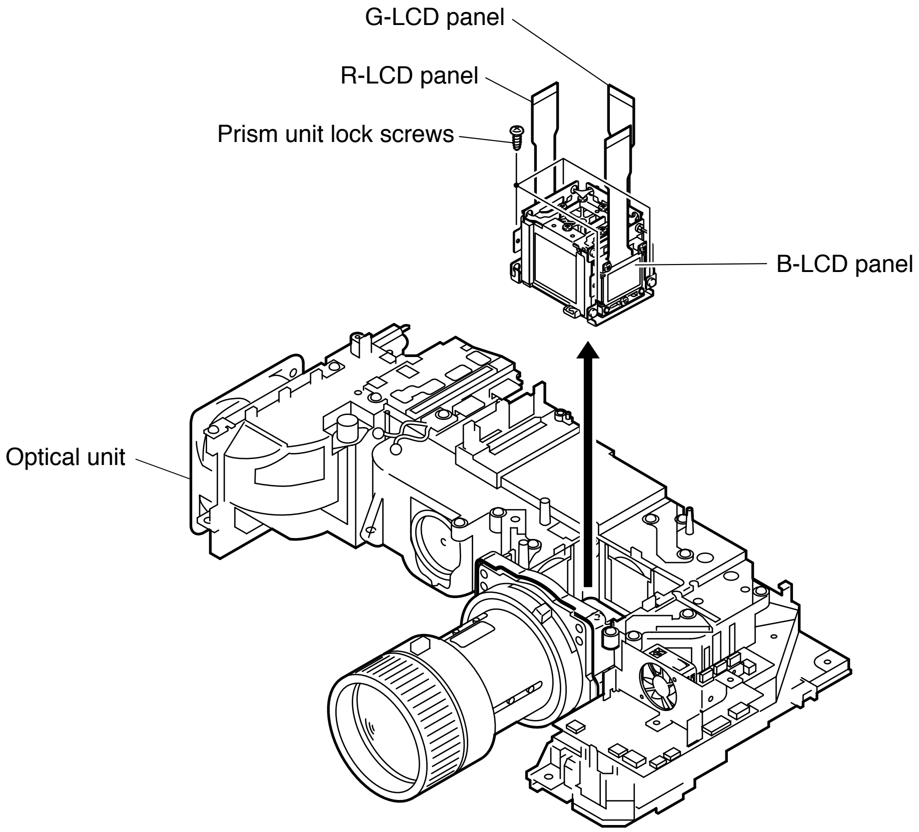
If color irregularities are found at the right and left on a white-only screen after replacing the lamp, it is necessary to readjust the optical axis of the new lamp. Take the following steps.

1. Open the lamp cover and loosen the screws A and B at the top of the lamp.
2. Using a screwdriver or the like, move the lever D in the arrow direction.
3. Temporarily fix the screws A and B, close the lamp cover, and check the white-only screen again for color irregularities.
4. Repeat the above steps 1 and 2 until there will be no color irregularities. Now tighten up the screws A and B.
5. Finally secure the lamp cover back in position.

Replacing the prism unit

1. Remove the four lock screws, and take the prism holder unit out of the optical unit.
2. Replace the prism unit with new one. Take the above step 1 in reverse order.

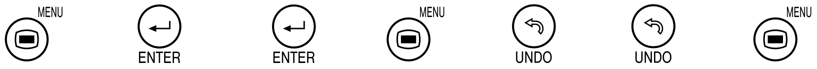
Note: Even if just one of the LCD panels is defective, it is necessary to replace the entire prism unit. Do not replace just the defective LCD panel only. Under the present circumstances, please do not touch the display part of LCD.


G-LCD panel
R-LCD panel
Prism unit lock screws
B-LCD panel
Optical unit

How to Release the System Lock

Turn on the power. If the system lock is applied, the system-resetting screen appears. Press the following keys in this order.

MENU → ENTER → ENTER → MENU → UNDO → UNDO → MENU


MENU
ENTER
ENTER
MENU
UNDO
UNDO
MENU

After pressing the MENU key first, press the remaining six keys within 10 seconds.

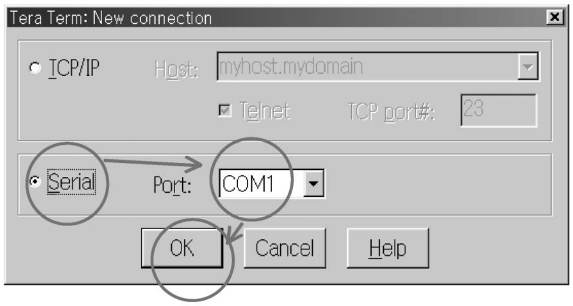
SOFTWARE UPDATE PROCEDURE

Preparation

1. Install the Tera Term Pro (communication program) into PC.
   1.1 Downloaded the Tera Term Pro from the Internet.
   http://hp.vector.co.jp/authors/VA002416/teraterm.html
   1.2 Decompress ttremp23.zip and then run setup.exe in the folder.
   1.3 The Language list box appears in the dialog box.
   Select English and then click Continue.
   1.4 The NOTE: ~ message appears in the dialog box.
   Click Continue.
   1.5 The Destination Path dialog box appears.
   Click Continue.
   It is not necessary to change the default destination path(c:\PROGRAM FILES\TTERMPRO).
   1.6 The Complete dialog box appears.
   Click OK.
2. Decompress the software file for update to the suitable folder.

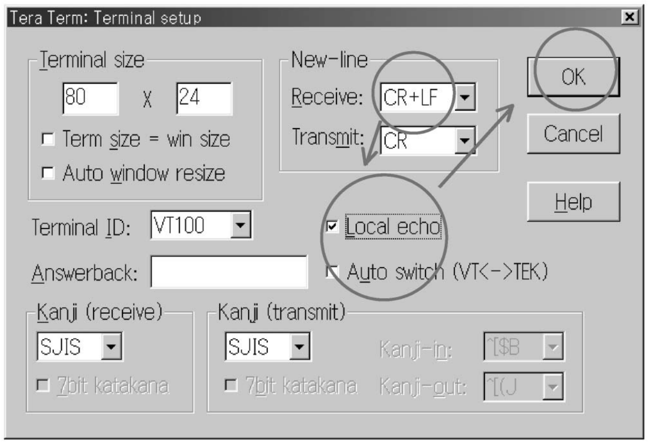
Loading software

1. Turn on the projector.
2. Connect the RS-232C-IN port of the projector and the RS-232C port of your PC with a DIN-D-sub RS-232C adapter and a RS-232C serial control cable (cross type).
3. Run the Tera Term Pro (communication program).
   3.1 The New connection dialog box appears, select the Serial and then select the suitable COM port.


Tera Term: New connection
○ TCP/IP
Host:
☑ Telnet
TCP port#:
OK
Cancel
Help

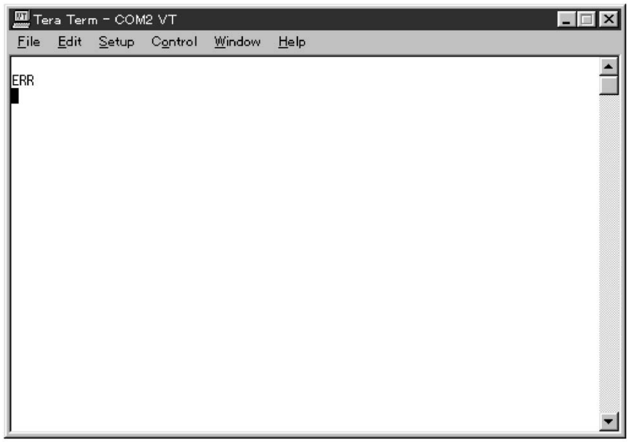
Host: myhost.mydomain
TCP port#: 23
● Serial Port: COM1

   3.2 On the Tera Term Pro, select the Setup and then the Terminal.
   Change Receive to CR+LF and then check Local echo.
   Then click OK.


Tera Term: Terminal setup
Terminal size
New-line
OK
Cancel
Help
Kanji (receive)
Kanji (transmit)

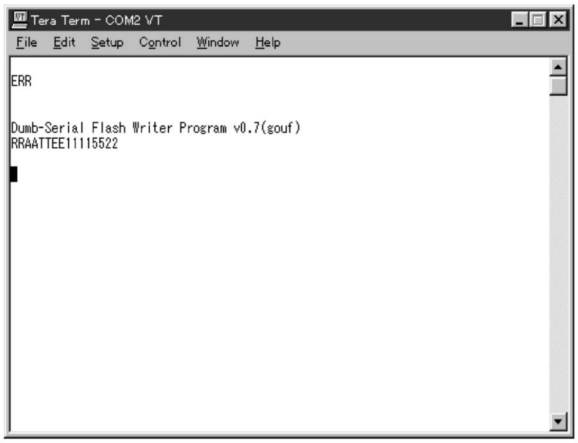
Terminal size: 80 X 24
☐ Term size = win size
☐ Auto window resize
Receive: CR+LF
Transmit: CR
Terminal ID: VT100
Answerback:
☑ Local echo
☐ Auto switch (VT<->TEK)
Kanji (receive): SJIS
☐ 7bit katakana
Kanji (transmit): SJIS
☐ 7bit katakana
Kanji-in: ^[$B
Kanji-out: ^[(J

3.3 Make sure that ERR is returned from the projector when you pressed the ENTER key.


Tera Term - COM2 VT
File Edit Setup Control Window Help

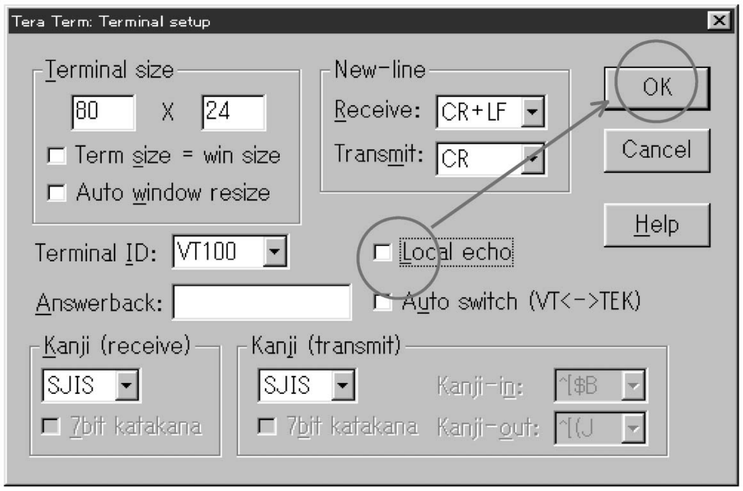
```
ERR
```

4. Call the process mode.
   Press the following keys in this order.
   POWER ON / Adj up / Adj down / Adj up / Adj down / ENTER / ENTER / MENU
5. Select the SPECIAL on the process menu and then press the ENTER key.
6. Select the IPL2 on the sub menu and then press the ENTER key.
   The lamp turns off and the projector goes into the software write mode.
7. Once unplug the AC cord and then plug it in again.
   Note: Be sure to unplug the AC cord once and plug it in again.
8. On the Tera Term Pro, enter the RATE1152 and then press the ENTER key.


Tera Term - COM2 VT
File Edit Setup Control Window Help

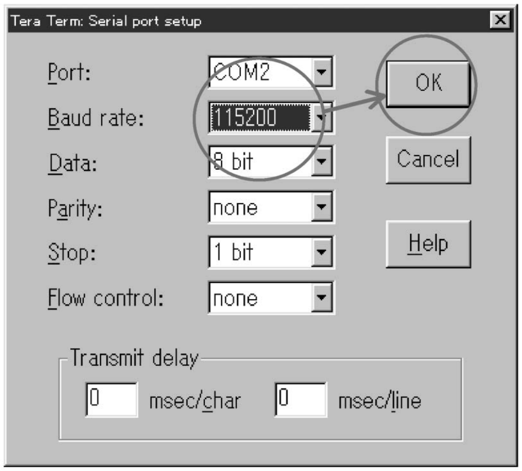
```
ERR


Dumb-Serial Flash Writer Program v0.7(gouf)
RRAATTEE11115522
```

9. On the Tera Term Pro, select the Setup and then the Terminal.
   Uncheck the Local echo and then click the OK button.


Tera Term: Terminal setup
OK
Cancel
Help

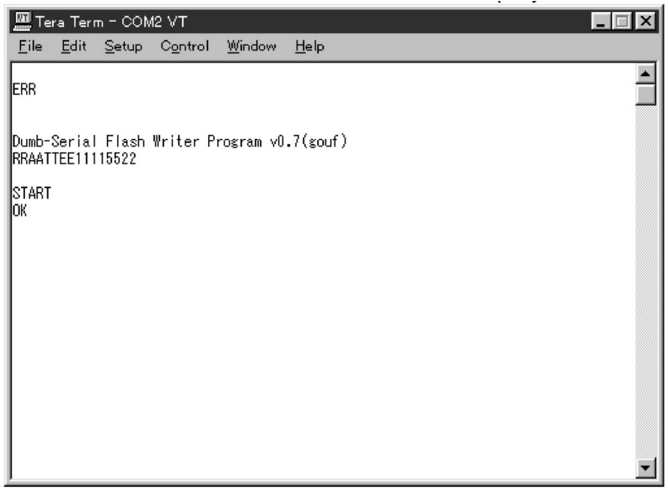
Terminal size
80 X 24
☐ Term size = win size
☐ Auto window resize
Terminal ID: VT100
Answerback:
New-line
Receive: CR+LF
Transmit: CR
☐ Local echo
☐ Auto switch (VT<->TEK)
Kanji (receive)
SJIS
☐ 7bit katakana
Kanji (transmit)
SJIS
☐ 7bit katakana
Kanji-in: ^[$B
Kanji-out: ^[(J

10. On the Tera Term Pro, select the Setup and then the Serial port.
    Change the Baud rate to 115200 and then click the OK button.


Tera Term: Serial port setup
OK
Cancel
Help

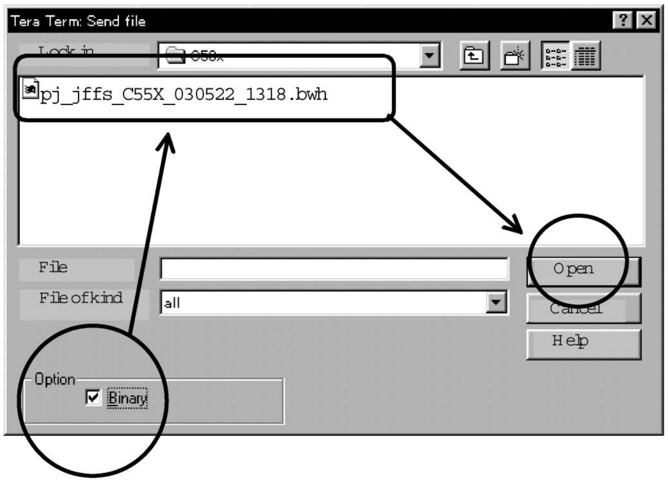
Port: COM2
Baud rate: 115200
Data: 8 bit
Parity: none
Stop: 1 bit
Flow control: none
Transmit delay: 0 msec/char 0 msec/line

11. On the Tera Term Pro, enter the START and then press the ENTER key.
    Make sure that the OK is returned from the projector and the lamp indicator is blinking in green.


Tera Term - COM2 VT
File
Edit
Setup
Control
Window
Help

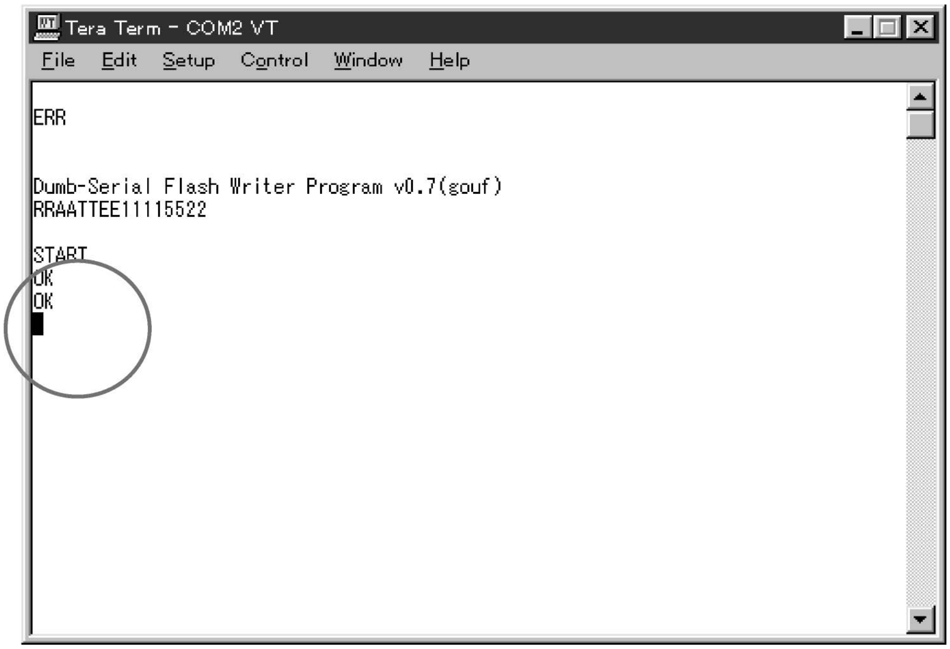
```
ERR


Dumb-Serial Flash Writer Program v0.7(gouf)
RRAATTEE11115522

START
OK
```

12. On the Tera Term Pro, select the File and then the Send file.
    Check the Binary in the Option and then select the software file for update you decompressed.
    Then click open.


Tera Term: Send file
Open
Cancel
Help

Look in: 050x
pj_jffs_C55X_030522_1318.bwh
File:
File of kind: all
Option: ☑ Binary

13. The transfer of data starts if the setting is correct. The Bytes transferred will be counted in the dialog box.
14. Wait for several minutes until the OK is displayed two times and then the lamp indicator is illuminated in red.
    If the ERR is displayed, take the steps again from the step 1.



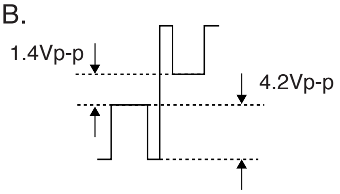
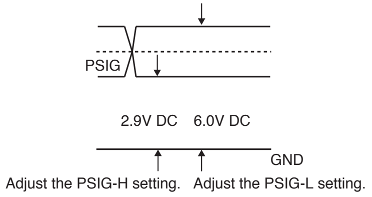
```
ERR


Dumb-Serial Flash Writer Program v0.7(gouf)
RRAATTEE11115522

START
OK
OK
```

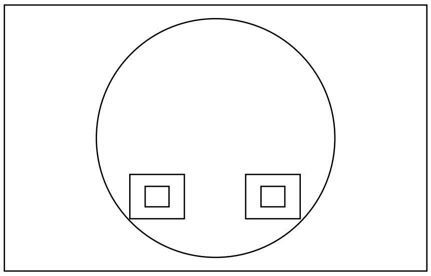
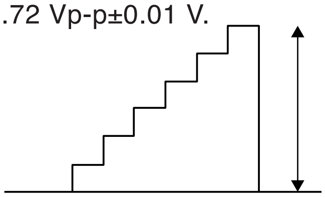
Caution: Never turn off the projector or unplug the AC cord while transferring the data. If it is done, the projector becomes unable to turn the power on.
In case of this, recover the projector by taking the following steps.
(1) Remove the top and the back side cabinet of the projector.
(2) Set the switch on the PC board to the WRITE side.
(3) Plug the AC cord.
(4) Take the steps again from the step 8.
(5) After transferring the data, set the switch on the PC board to the NORMAL side.

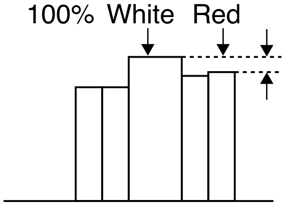
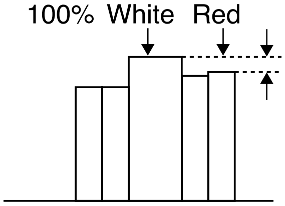
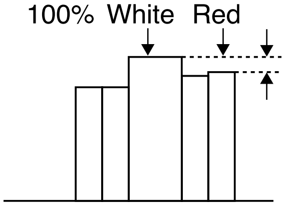
15. Unplug the AC cord.
16. Plug in the AC cord and then call the process mode.
17. From the process menu, select the SPECIAL.
    Make sure that the PRG VER is changed to new version.
18. Turn off the projector.

The update is complete.

ELECTRICAL ADJUSTMENT

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
1	Initialization of EEPROM	1. Turn on the power (the lamp lights up) and warm up the system for 15 minutes.	1. Make the following settings. Press S2601 to enter the process mode, and execute S2 on the SSS menu. Now the EEPROM, except for the PC I/F unit, is initialized. Do not execute S1, or the PC I/F unit itself will be initialized. (The PC I/F unit has been factory-adjusted.) To adjust the PC I/F unit, refer to "How to Adjust the PC I/F unit" on the page30.
2	Adjustment of RGB1 black level signal amplitude	1. Select the following group and subjects. Group: OUTPUT1 Subject: G1-BLK, G1-GAIN For the color R, select the subjects R1-BLK and R1-GAIN. For the color B, select the subjects B1-BLK and B1-GAIN. 2. Make sure the process adjustment color bars are displayed. 3. For the color G, connect a oscilloscope to pin (2) of P1301. 4. For the colors R and B, connect the oscilloscope to pin (1) of P1301 and pin (3) of P1301, respectively.	1. Select the subject G1-GAIN. Using the set's control switch or the remote controller button, adjust the setting so that the signal amplitude is 4.2 Vp-p±0.05 V. 2. Select the subject G1-BLK. Using the set's control switch or the remote controller button, adjust the setting so that the white-to-white level is 1.4 Vp-p±0.1 V. 3. Do the same for the other colors R and B. 
3	Adjustment of PSIG	1. Select the following group and subjects. Group: OUTPUT2 Subject: PSIG-H, PSIG-L Make sure the PSIG-H and PSIG-L settings are 145 and 170, respectively.	1. Get the PSIG waveform displayed. (Feed the XGA signal.)  PSIG 2.9V DC 6.0V DC GND Adjust the PSIG-H setting. Adjust the PSIG-L setting.
4	Checking of sample-and-hold pulse phase	1. Feed the XGA-mode 75-Hz black signal. 2. Select the following group and subject. Group: OUTPUT3 Subject: ENBXR-PH ENBXG-PH ENBXB-PH	1. Check the blurring of the letters of OUTPUT 3 and the ghost. 2. Raise the value of the ENBXR-PH until the front ghost appears on the left side of the letters of OSD. 3. When the value is lowered for 1 - 2 points, the front ghost disappears. Set it to the value for 1 lowered from the value when the front ghost disappears.(In case that the front ghost appears when the value of the EMBXR-PH is 11 and disappears when it is 10, set it to 9.) 4. Adjust the green and blue in the same manner.

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
5	Adjustment of RGB counter-voltage	1. Feed the counter-voltage adjustment signal (XGA) prepared by the Technical Department. 2. Select the following group and subjects. Group: OUTPUT3 Subject: RC (R), GC (G), BC (B)	1. Using the set's control switch or the remote controller button, adjust the settings to minimize flickers. 2. If the results are inconsistent at the center and on both sides onscreen, readjust the settings to get the same results on both sides.
6	Adjustment of RGB gradation reproduction	1. Feed the SMPTE pattern signal (XGA) . 2. Select the following group and subject. Group: OUTPUT1 Subject: G1-BLK	1. Confirm that the 100% and 95% white gradation as well as the 0% and 5% black gradation are discernible. 2. If the white gradation looks differently, finely adjust the G1-BLK setting. 
7	Adjustment of RGB white balance	1. Feed the 32-step gray scale signal (XGA, 60 Hz). 2. Select the following group and subjects. Group: OUTPUT1 Subjects: R1-BLK (R), B1-BLK (B)	1. Adjust the R1-BLK and B1-BLK settings to have the specified gradation balance (according to the standard monitor).
8	Adjustment of video AGC	1. Feed the NTSC 10-step gray scale signal. 2. Select the following group and subject. Group: VIDEO Subject: AGC-ADJ 3. Connect the oscilloscope between TP4501 and TP4502	1. Using the set's control switch or the remote controller button, adjust the setting so that the white-to-black level is 0.72 Vp-p±0.01 V. 
9	Adjustment of video brightness/ contrast	1. Feed the NTSC100% window pattern signal. 2. Select the following group and subjects. Group: VIDEO Subject: AUTO, PICTURE/BRIGHT	1. Feed the signal. Using the set's control switch or the remote controller button, select the subject AUTO. The setting will adjust itself. 2. And then lower the adjustment value of the PICTURE/BRIGHT by 2 points. 3. Then adjust the PICTURE/BRIGHT setting until the signal becomes bitless.
10	Adjustment of video tint	1. Feed the split color bar signal. 2. Select the following group and subject. Group: VIDEO1 Subject: TINT	1. Confirm the fixed value. Fixed value: 128

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
11	Adjustment of NTSC color saturation	1. Feed the split color bar signal. 2. Select the following group and subject. Group: VIDEO Subject: N-COLOR ∗ Connect the oscilloscope to pin (1) of P1301.	1. Confirm the fixed value. Fixed value: 54 (Reference: 0.4 Vp-p) 
12	Adjustment of PAL color saturation	1. Feed the PAL color bar signal. 2. Select the following group and subject. Group: VIDEO Subject: P-COLOR ∗ Connect the oscilloscope to pin (1) of P1301.	1. Confirm the fixed value. Fixed value: 51 (Reference: 0.4 Vp-p) 
13	Adjustment of SECAM color saturation	1. Feed the SECAM color bar signal. 2. Select the following group and subject. Group: VIDEO Subject: S-COLOR ∗ Connect the oscilloscope to pin (1) of P1301.	1. Confirm the fixed value. Fixed value: 48 (Reference: 0.5 Vp-p) 
14	Adjustment of video white balance	1. Feed the NTSC monoscope pattern signal. 2. Select the following group and subjects. Group: VIDEO Subjects: V-R1-BLK, V-B1-BLK	1. Using the set's control switch or the remote controller button, adjust the settings to have the same white balance as on the standard monitor.
15	Adjustment of COMPO CB offset and CR offset	1. Feed the Y-0% brightness, Cb and Cr 0% white pattern color difference signal (480I). 2. Select the following group and subject. Group: COMPO Subject: AUTO	1. Feed the signal. Using the set's control switch or the remote controller button, select the subject AUTO. The setting will adjust itself.
16	Adjustment of COMPO brightness	1. Feed the 0% gray pattern signal (480I). 2. Select the following group and subject. Group: COMPO Subject: G-BRIGHT	1. Adjust so that pixel defect occurs on the screen.

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
17	Adjustment of COMPO white balance	1. Feed the DTV monoscope pattern signal. 2. Select the following group and subjects. Group: COMPO Subjects: C-R1-BLK, C-B1-BLK	1. Using the set's control switch or the remote controller button, adjust the settings to have the same white balance as on the standard monitor.
18	Automatic color irregularity correction	1. Apply the automatic color correction using the automatic color irregularity correction system (ccdc).	1. Make sure that no remarkable uneven color remains on the screen.
19	Checking of tracking	1. Input the RGB 10-step gray-scale (inverse vertically) signal. 2. Select the following group and subject. Group: LINE Subject: OPT-MECH	Check the tracking of the gradation on the lower side. In case that it is bad, adjust the OPT-MECH value to the optimum. (It takes 2 - 3 seconds for changing for selection.) 0:Red and blue up 1:Red and blue down 2:Initial value (Normal)
20	Adjustment of sRGB white balance	1. Feed the RGB 50% gray pattern signal. 2. Select the following group and subjects. Group: OUTPUT1 Subjects: S-R1-BLK, S-R1-GAIN, S-G1-BLK, S-G1-GAIN, S-B1-BLK, S-B1-GAIN 3. Have the BM-5 brightness meter and the standard white board at hand.	1. Make the S-R1-GAIN setting the same as the R1-GAIN one. Make the S-G1-GAIN setting the same as the R1-GAIN one. Make the S-B1-GAIN setting the same as the R1-GAIN one. Make the S-R1-BLK setting the same as the R1-BLK one. 2. Adjust the S-B1-BLK and S-G1-BLK settings so that the chromaticity on the brightness meter should be as follows. x: .313±7/1000 y: .350±10/1000

Cautions on 3D irregular color correction adjustment

The following measurement and adjustment must be carried out:

- In a dark room (take care for stray light)
- Using diffuse reflection type (mat type) screen in the uniform conditions.

Settings of the projector must be carried out in the following conditions:

- Do not save power (to keep the lamp to the stable condition during measurement)
- Automatic search cancel (to fix INPUT1)
- INPUT1 RGB mode (cancel the component mode of INPUT 1, just in case)

(1) System setting (“setting” - “system setting”)
System optional

Simultaneous write in of 3D correction value:	No (not checked)
Char transmission interval:	0 ms
Binary interval:	2 ms

Creation of correction value by straight-line correction coefficient: No (not checked)
Number of image captures (when adjustment, measurement): 2 times
Number of image captures (when teaching): 4 times

(2) Teaching

Basically only one time measurement is necessary for each model for teaching, however when the optical characteristics, etc. of the set are greatly changed, set the conditions again and measurement is necessary again according to the changes.

Measurement method of the correction coefficient

(1) Determines the standard set of C55. 1 unit (n units)
(2) Set settings are RGB mode INPUT 1.
(3) Execute teaching in the following condition setting in that standard set.

Condition setting

Model name: Newly input the model name and optical characteristics Var.
Resolution: (Not related)
Correction value X direction: 29
Correction value Y direction: 22
Correction bits number: 8
Minimum adjustment value: 0
Center adjustment value: 36
Maximum adjustment value: 73
Teaching number: 5
Teaching interval: 18
Brightness change direction by adjustment value: Brightness up with adjustment value + (checked)
Adjusting points: 3-dimension (checked)
Gradation 4 (checked)
Gradation 5 (checked)
Gradation 6 (checked)
Do not check the gradations other than these.

Adjusting point (Test pattern display level)

Gradation 7: 91%
Gradation 6: 78%
Gradation 5: 65%
Gradation 4: 52%
Gradation 3: 40%
Gradation 2: 25%
Gradation 1: 13%
Gradation 0: 0%
Adjustment color: Adjustment with WHITE (checked)

(3) Color irregularity correction

Conditions setup

Correction procedure settings

Gradation 7: 2. Lower-gradation correction value to be used.
Gradation 6: 0. Correction with correction coefficient.
Gradation 5: 0. Correction with correction coefficient.
Gradation 4: 0. Correction with correction coefficient.
Gradation 3: 1. Upper-gradation correction value to be used.

Gradation 2: 1. Upper-gradation correction value to be used.
Gradation 1: 1. Upper-gradation correction value to be used.
Gradation 0: 1. Upper-gradation correction value to be used.

For the model in question, select the name entered in (2) to start the color irregularity correction. If the set has its optical characteristics rather different from the standard ones or if the set has some color irregularity lines missing, do the teaching for that set in particular. Use its specified correction coefficients in making the adjustment.

<table>
<tr><th>No.</th><th>Adjustment Items</th><th>Adjustment Conditions</th><th>Adjustment Procedures</th></tr>
<tr><td>21</td><td>Checking and readjustment of white balance</td><td>1. The adjusting conditions for each item are as follows:
For RGB input, see Item 7.
For video input, see Item 14.
For COMPO input, see Item 17.</td><td>1. Make sure the white balance is as specified on the standard monitor. For readjustment, proceed in the order of RGB input, video input and COMPO input.</td></tr>
<tr><td>22</td><td>Checking color-related performance</td><td>1. Receive the color bar signal.</td><td>1. Select L1 in the process mode. Check the performance of Color and Tint.</td></tr>
<tr><td>23</td><td>Checking of picture-related performance</td><td>1. Receive the monoscope pattern signal.</td><td>1. Select L2 in the process mode. Check Picture, Brightness and Sharpness.</td></tr>
<tr><td>24</td><td>Checking of RGB performance</td><td>1. Receive the RGB signal.</td><td>1. Select L4 on the process mode. Check Picture, Brightness, Red, Blue, Clock, Phase, H-POS and V-POS.</td></tr>
<tr><td>25</td><td>Checking of off-timer performance</td><td></td><td>1. Select OFF in the process mode. Make sure that the off-timer starts with 5-minute display, counts down 1 minute for 1 second, and turns off when 0 minute is displayed.</td></tr>
<tr><td>26</td><td>Checking of thermistor performance</td><td>1. Heat the thermistor with a hair dryer.</td><td>1. Make sure the temperature is displayed.</td></tr>
<tr><td>27</td><td>Automatic sync operation</td><td>1. Receive the phase checking pattern signal.</td><td>1. Make sure that Clock, Phase, H-POS and V-POS can be automatically adjusted in the VGA/S-VGA/XGA mode.</td></tr>
<tr><td>28</td><td>Vertical line level check</td><td>1. Receive the RGB signal. 10-step gray-scale</td><td>1. Compare with the vertical line boundary sample, and it must be at the boundary sample or less. In case that it is bad, adjust the PSIG-L of the item 3.
However, it must be within the range of 190 - 200.</td></tr>
<tr><td>29</td><td>Factory settings</td><td></td><td>1. Make the following settings.
<table>
<tr><th>Destination</th><th>Process adjustment</th><th>Remote controller settings</th></tr>
<tr><td>North-American</td><td>S4</td><td>Factory Setting 4</td></tr>
<tr><td>Other</td><td>S3</td><td>Factory Setting 3</td></tr>
</table></td></tr>
</table>

How to Adjust the PC I/F unit

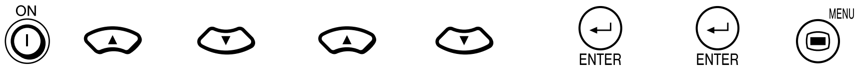
1. Initialization of EEPROM
   1) Press SW2601 to enter the process mode.
   2) Execute S1 on the SSS menu. (By S1, the PC board alone is initialized. Do not execute S2, or all the adjustment data, except for the PC I/F unit, is initialized.)
   3) Make sure that the program version "VER. XXX" on the SPECIAL menu is the latest one.
2. Level adjustments
   2-1. Setting the oscilloscope
   Set the oscilloscope's range to DC1V/div and 5μ S/div.
   2-2. Connecting the PC interface
   1) Connect the specified cable between ANALOG OUTPUT (on the signal generator) and DSUB connector (INPUT1 on the projector).
   2) Set the projector's input selector to INPUT1.
   3) Set the signal generator to XGA mode (1024x768, 60Hz, 32-step gradation). Also adjust the output amplitude (between black and white) to 700 mVp-p (terminated with a 75-ohm impedance).
   4) Turn on the power.
   2-3. Adjusting items
   1) Adjustment of RGB drive/gain
      (1) Feed the window pattern signal that has 100% and 0% signals.
      (2) Select AUTO among the A/D items in the process mode and make the adjustments.

• Entering the adjustment process mode

There are following two methods.

- Press the SW2601 on the Output unit.
- Press the follwing keys in this order.

ON→Adj up→Adj down→Adj up→Adj down→ENTER→ENTER→MENU



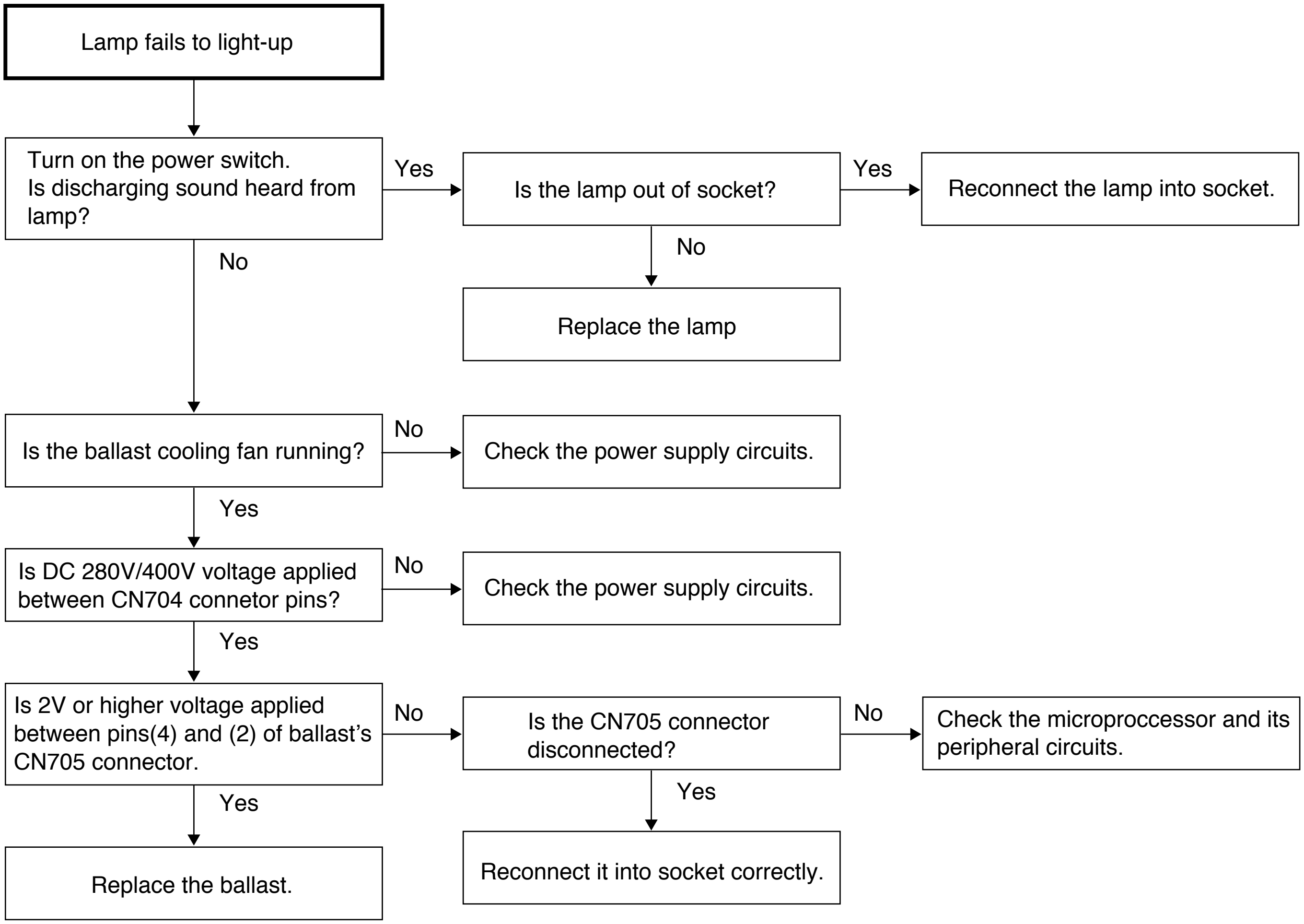
• Adjustment mode process menu

Group	Sub Group	Subject
Adjust PC Image	A/D	R-BRIGHT
		G-BRIGHT
		B-BRIGHT
		R-D
		B-D
		G-D
		AD-AUTO
Adjust RGB Image	OUTPUT1	R1-BLK
		R1-GAIN
		G1-BLK
		G1-GAIN
		B1-BLK
		B1-GAIN
		S-R1-BLK
		S-R1-GAIN
		S-G1-BLK
		S-G1-GAIN
		S-B1-BLK
		S-B1-GAIN
Adjust Panel Drive	OUTPUT2	PSIG-H
		PSIG-L
		LC-SW
		LC-R-SIG
		LC-G-SIG
		LC-B-SIG
		LC-R-LV
		LC-G-LV
		LC-B-LV
Adjust Commn Voltage	OUTPUT3	RC
		GC
		BC
		RCK-PHASE
		GCK-PHASE
		BCK-PHASE
		ENBX-WIDTH
		ENBXR-PH
		ENBXG-PH
		ENBXB-PH
		DGC-SW
		DGCJ-R
		DGCJ-G
		DGCJ-B

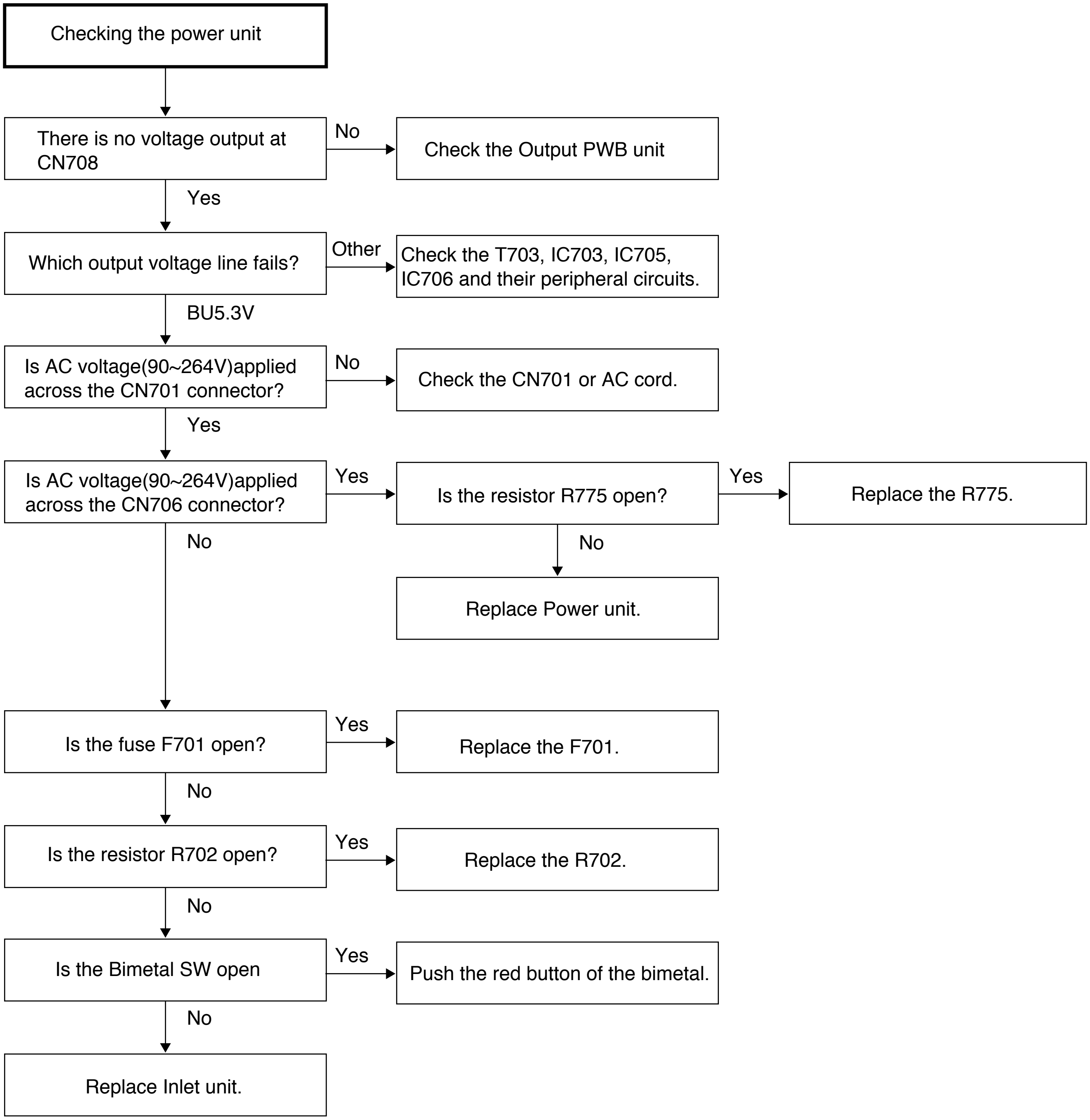
Group	Sub Group	Subject	
Adjust Video Image	VIDEO	PICTURE BRIGHT TINT N-COLOR P-COLOR S-COLOR AGC-CNT AGC-ADJ STAT-GAIN V-R1-BLK V-B1-BLK VIDEO-AUTO	
Adjust Component Image	COMP	G-BRIGHT CB-OFFSET CR-OFFSET C-R1-BLK C-B1-BLK COMPO-AUTO	
Process Mode	LINE	L1 L2 L4 OFF TEMP OFF SENSOR CHECK TG-GAMMA	
Initial Setting	SSS	TIME S1 S2 S3 S4 S5 S6	
Sample Pattern	PATTERN	RGB RGB[50] CROSS FOCUS STEP COLOR CHR	
Adjust CVIC	CVIC	PROGRESSIVE	MODE IP MDSW PTGSW C-TESTSW C-ILG-LY C-MOD-LY C-VE-LV
		ENHANCE-VIDE	ENH-PLUS ENH-MINUS DFC
		ENHANCE-HDTV	ENH-PLUS ENH-MINUS DFC
		ENHANCE-RGB	MODE ENH-GAIN ENH-PLUS

Group	Sub Group	Subject	
Adjust CVIC	CVIC	SCREEN	CUBIC-RGB CUBIC-VIDEO
		NR	YNR-LEVEL YNR-K YNR-FSEL YNR-FILSW CNR-LEVEL CNR-K CNR-FSEL CNR-FILSW
		PTG	TBL-NO TESTSW ENABLE MV-F VDDYP
		CMS-HUE	CMS-HUE-R CMS-HUE-Y CMS-HUE-G CMS-HUE-C CMS-HUE-B CMS-HUE-M
		CMS-SAT	CMS-SAT-R CMS-SAT-Y CMS-SAT-G CMS-SAT-C CMS-SAT-B CMS-SAT-M
		CMS-VAL	CMS-VAL-R CMS-VAL-Y CMS-VAL-G CMS-VAL-C CMS-VAL-B CMS-VAL-M
		DEGAMMA	TABLE
Adust Digital Convergence	CONVER	CC R-CNV-H G-CNV-H B-CNV-H R-CNV-V G-CNV-V B-CNV-V	
Vesion Cehck etc	SPECIAL	IPL IPL2 E2PROM ADR RD/WR	

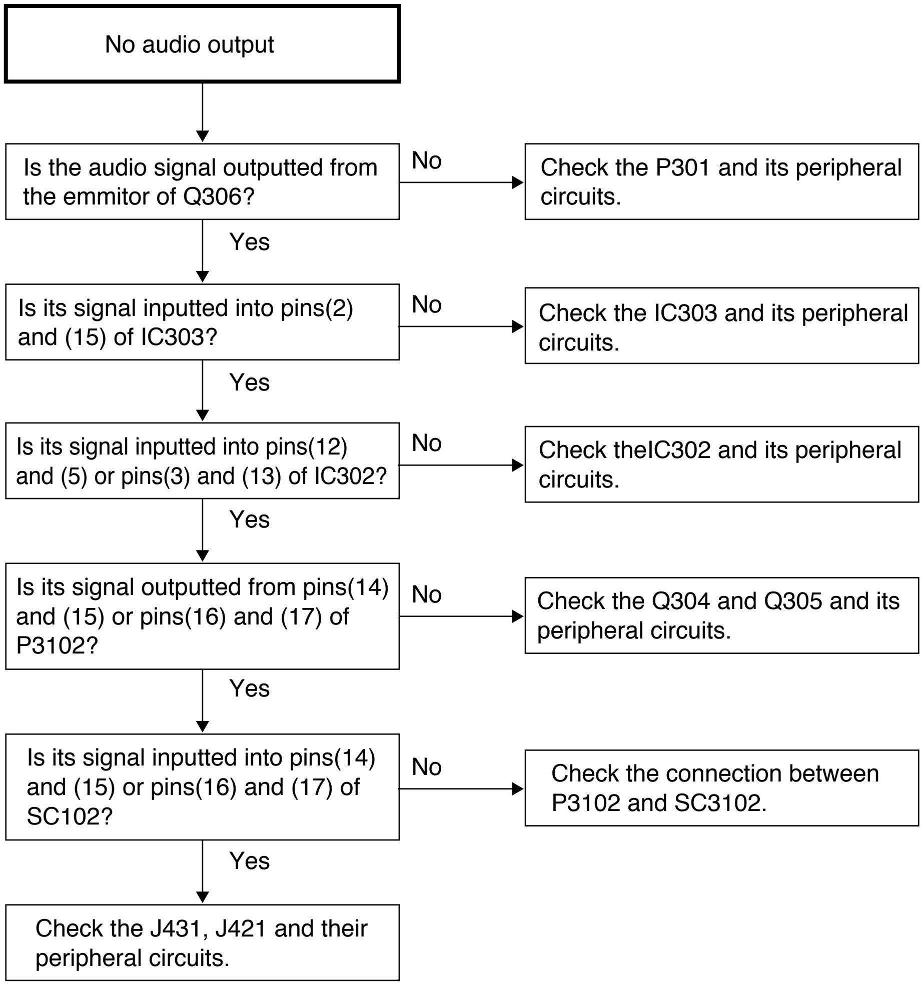
TROUBLE SHOOTING TABLE


Lamp fails to light-up
Turn on the power switch.
Is discharging sound heard from lamp?
Yes
Is the lamp out of socket?
Yes
Reconnect the lamp into socket.
No
Replace the lamp
No
Is the ballast cooling fan running?
No
Check the power supply circuits.
Yes
Is DC 280V/400V voltage applied between CN704 connetor pins?
No
Check the power supply circuits.
Yes
Is 2V or higher voltage applied between pins(4) and (2) of ballast's CN705 connector.
No
Is the CN705 connector disconnected?
No
Check the microproccessor and its peripheral circuits.
Yes
Reconnect it into socket correctly.
Yes
Replace the ballast.

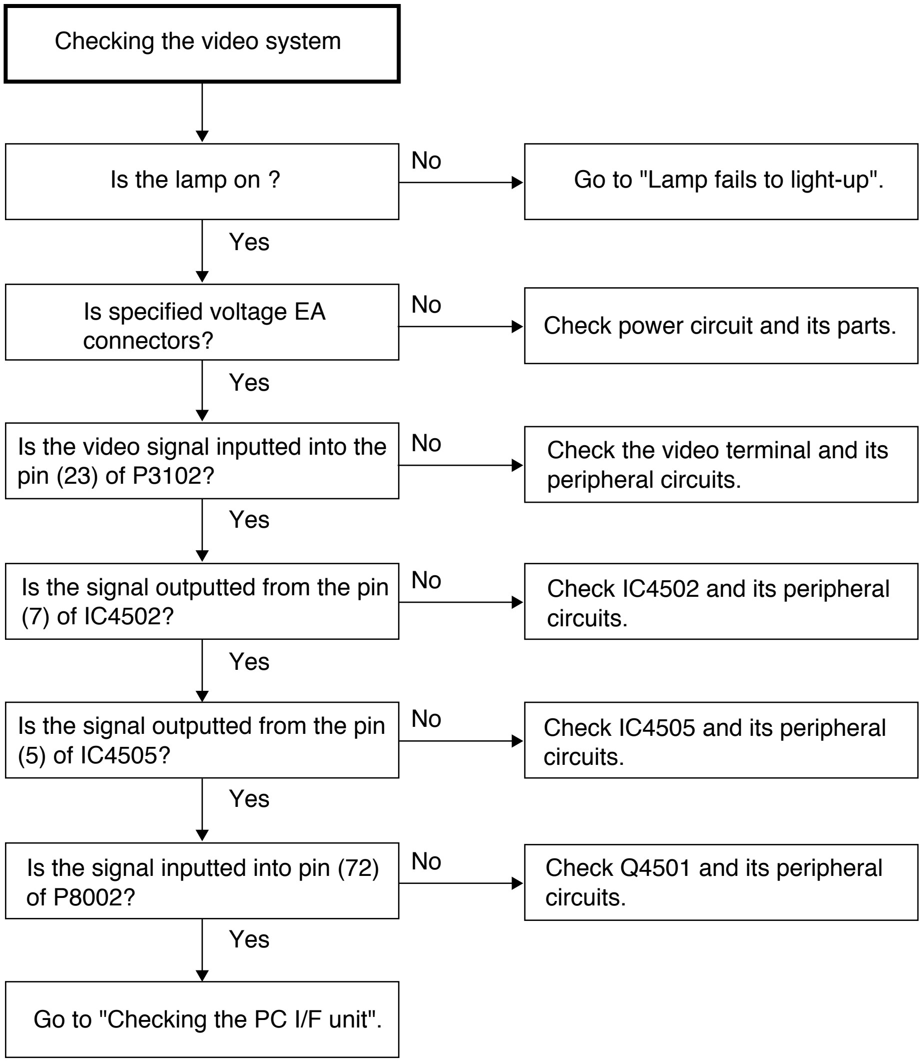
TROUBLE SHOOTING TABLE (Continued)


Checking the power unit
There is no voltage output at CN708
No
Check the Output PWB unit
Yes
Which output voltage line fails?
Other
Check the T703, IC703, IC705, IC706 and their peripheral circuits.
BU5.3V
Is AC voltage(90~264V)applied across the CN701 connector?
No
Check the CN701 or AC cord.
Yes
Is AC voltage(90~264V)applied across the CN706 connector?
Yes
Is the resistor R775 open?
Yes
Replace the R775.
No
Replace Power unit.
No
Is the fuse F701 open?
Yes
Replace the F701.
No
Is the resistor R702 open?
Yes
Replace the R702.
No
Is the Bimetal SW open
Yes
Push the red button of the bimetal.
No
Replace Inlet unit.

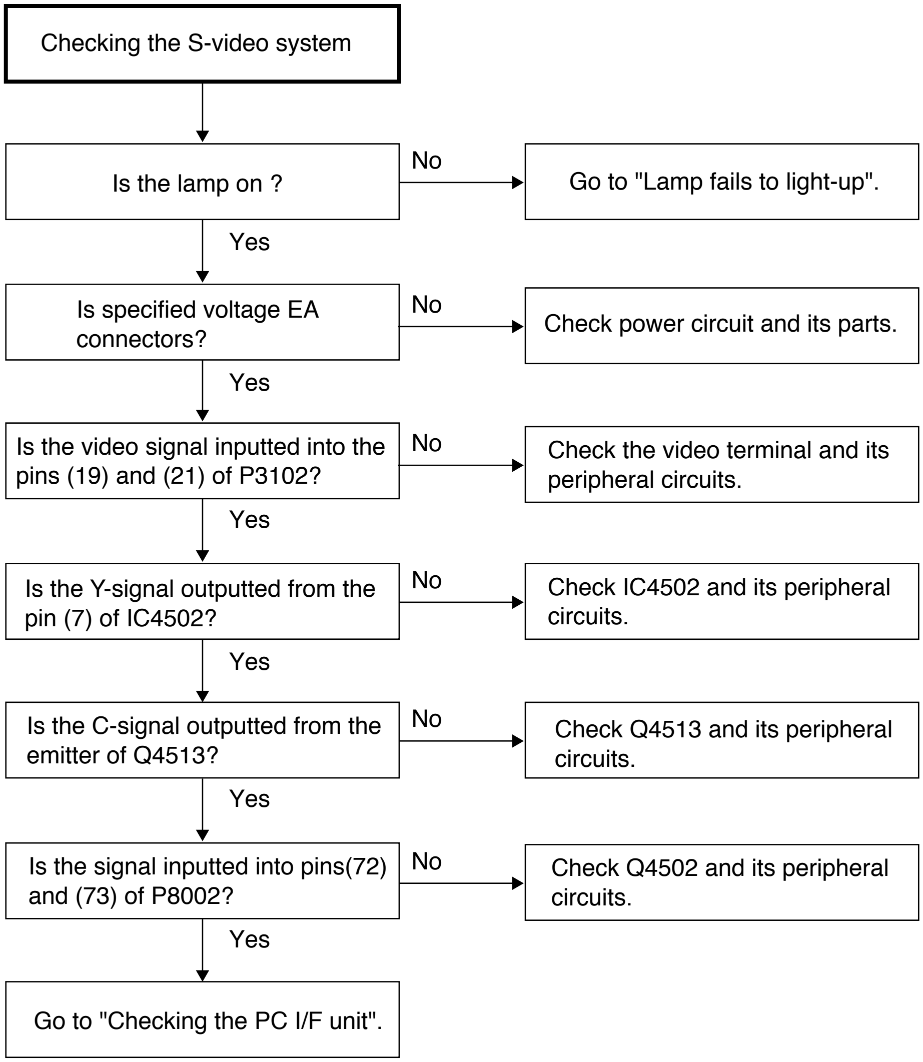
TROUBLE SHOOTING TABLE (Continued)


No audio output
Is the audio signal outputted from the emmitor of Q306?
No
Check the P301 and its peripheral circuits.
Yes
Is its signal inputted into pins(2) and (15) of IC303?
No
Check the IC303 and its peripheral circuits.
Yes
Is its signal inputted into pins(12) and (5) or pins(3) and (13) of IC302?
No
Check theIC302 and its peripheral circuits.
Yes
Is its signal outputted from pins(14) and (15) or pins(16) and (17) of P3102?
No
Check the Q304 and Q305 and its peripheral circuits.
Yes
Is its signal inputted into pins(14) and (15) or pins(16) and (17) of SC102?
No
Check the connection between P3102 and SC3102.
Yes
Check the J431, J421 and their peripheral circuits.

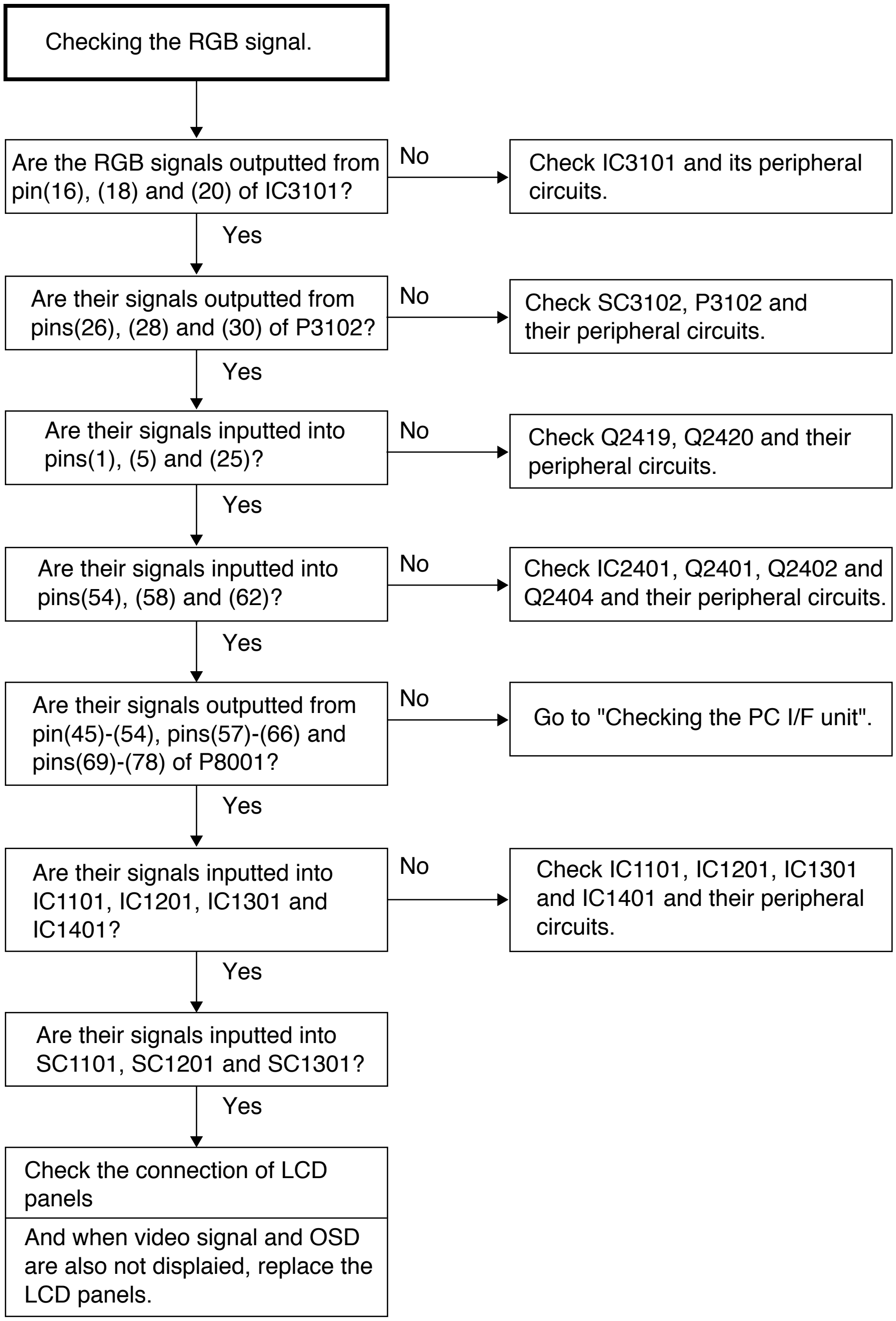
TROUBLE SHOOTING TABLE (Continued)


Checking the video system
Is the lamp on ?
No
Go to "Lamp fails to light-up".
Yes
Is specified voltage EA connectors?
No
Check power circuit and its parts.
Yes
Is the video signal inputted into the pin (23) of P3102?
No
Check the video terminal and its peripheral circuits.
Yes
Is the signal outputted from the pin (7) of IC4502?
No
Check IC4502 and its peripheral circuits.
Yes
Is the signal outputted from the pin (5) of IC4505?
No
Check IC4505 and its peripheral circuits.
Yes
Is the signal inputted into pin (72) of P8002?
No
Check Q4501 and its peripheral circuits.
Yes
Go to "Checking the PC I/F unit".

TROUBLE SHOOTING TABLE (Continued)


Checking the S-video system
Is the lamp on ?
No
Go to "Lamp fails to light-up".
Yes
Is specified voltage EA connectors?
No
Check power circuit and its parts.
Yes
Is the video signal inputted into the pins (19) and (21) of P3102?
No
Check the video terminal and its peripheral circuits.
Yes
Is the Y-signal outputted from the pin (7) of IC4502?
No
Check IC4502 and its peripheral circuits.
Yes
Is the C-signal outputted from the emitter of Q4513?
No
Check Q4513 and its peripheral circuits.
Yes
Is the signal inputted into pins(72) and (73) of P8002?
No
Check Q4502 and its peripheral circuits.
Yes
Go to "Checking the PC I/F unit".

TROUBLE SHOOTING TABLE (Continued)



Checking the RGB signal.

Are the RGB signals outputted from pin(16), (18) and (20) of IC3101?

Check IC3101 and its peripheral circuits.

Are their signals outputted from pins(26), (28) and (30) of P3102?

Check SC3102, P3102 and their peripheral circuits.

Are their signals inputted into pins(1), (5) and (25)?

Check Q2419, Q2420 and their peripheral circuits.

Are their signals inputted into pins(54), (58) and (62)?

Check IC2401, Q2401, Q2402 and Q2404 and their peripheral circuits.

Are their signals outputted from pin(45)-(54), pins(57)-(66) and pins(69)-(78) of P8001?

Go to "Checking the PC I/F unit".

Are their signals inputted into IC1101, IC1201, IC1301 and IC1401?

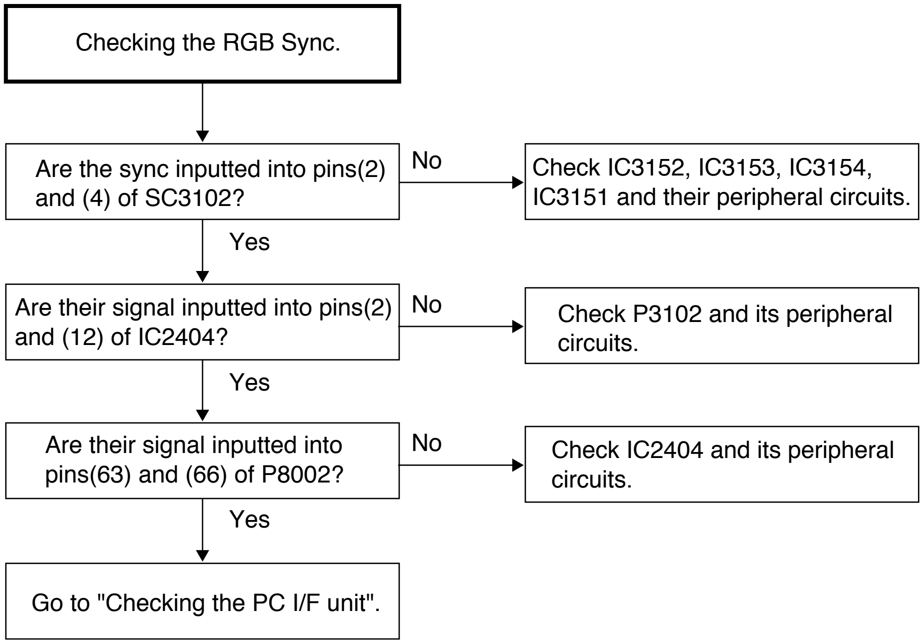
Check IC1101, IC1201, IC1301 and IC1401 and their peripheral circuits.

Are their signals inputted into SC1101, SC1201 and SC1301?

Check the connection of LCD panels

And when video signal and OSD are also not displaied, replace the LCD panels.

TROUBLE SHOOTING TABLE (Continued)



Checking the RGB Sync.

Are the sync inputted into pins(2) and (4) of SC3102?

Check IC3152, IC3153, IC3154, IC3151 and their peripheral circuits.

Are their signal inputted into pins(2) and (12) of IC2404?

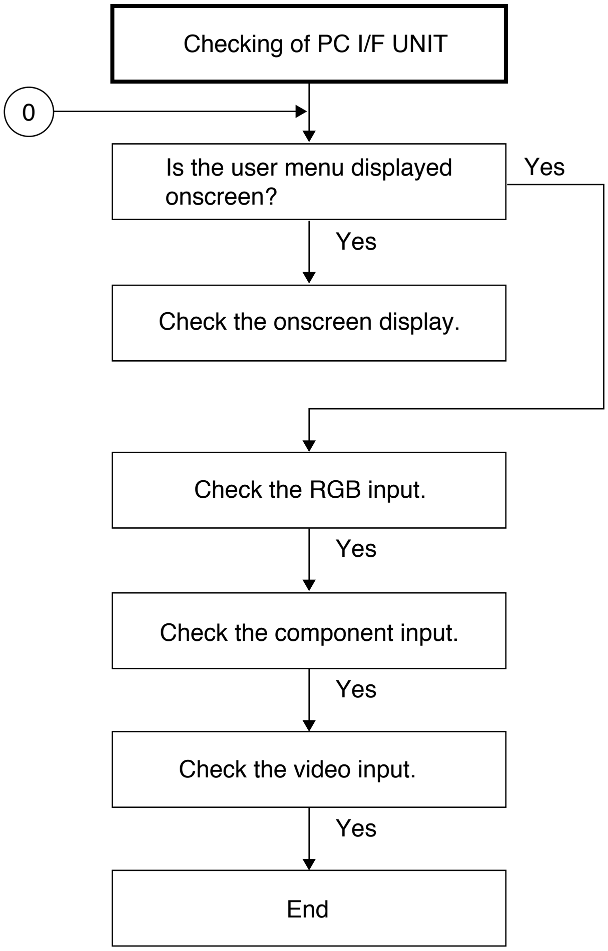
Check P3102 and its peripheral circuits.

Are their signal inputted into pins(63) and (66) of P8002?

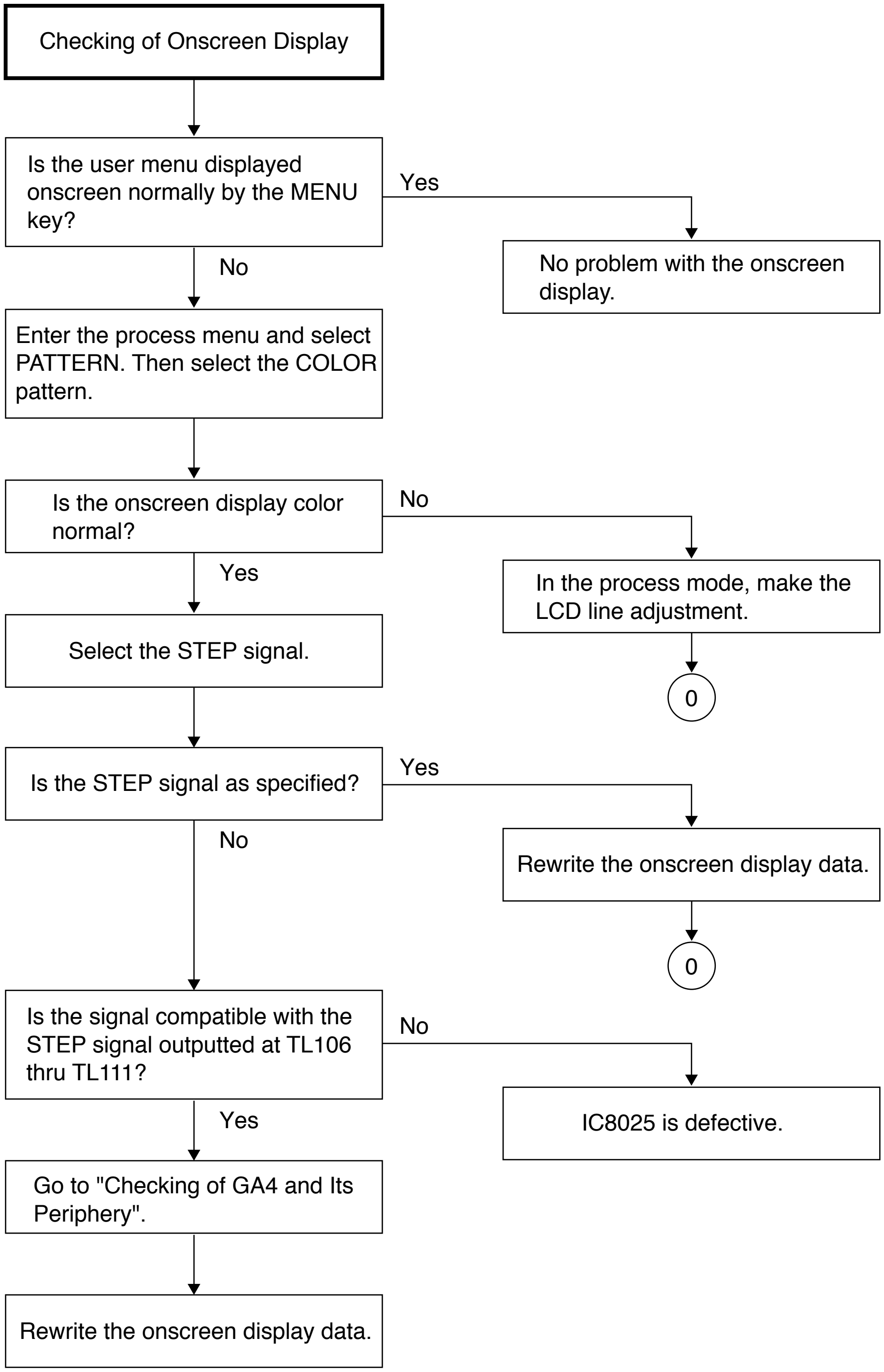
Check IC2404 and its peripheral circuits.

Go to "Checking the PC I/F unit".

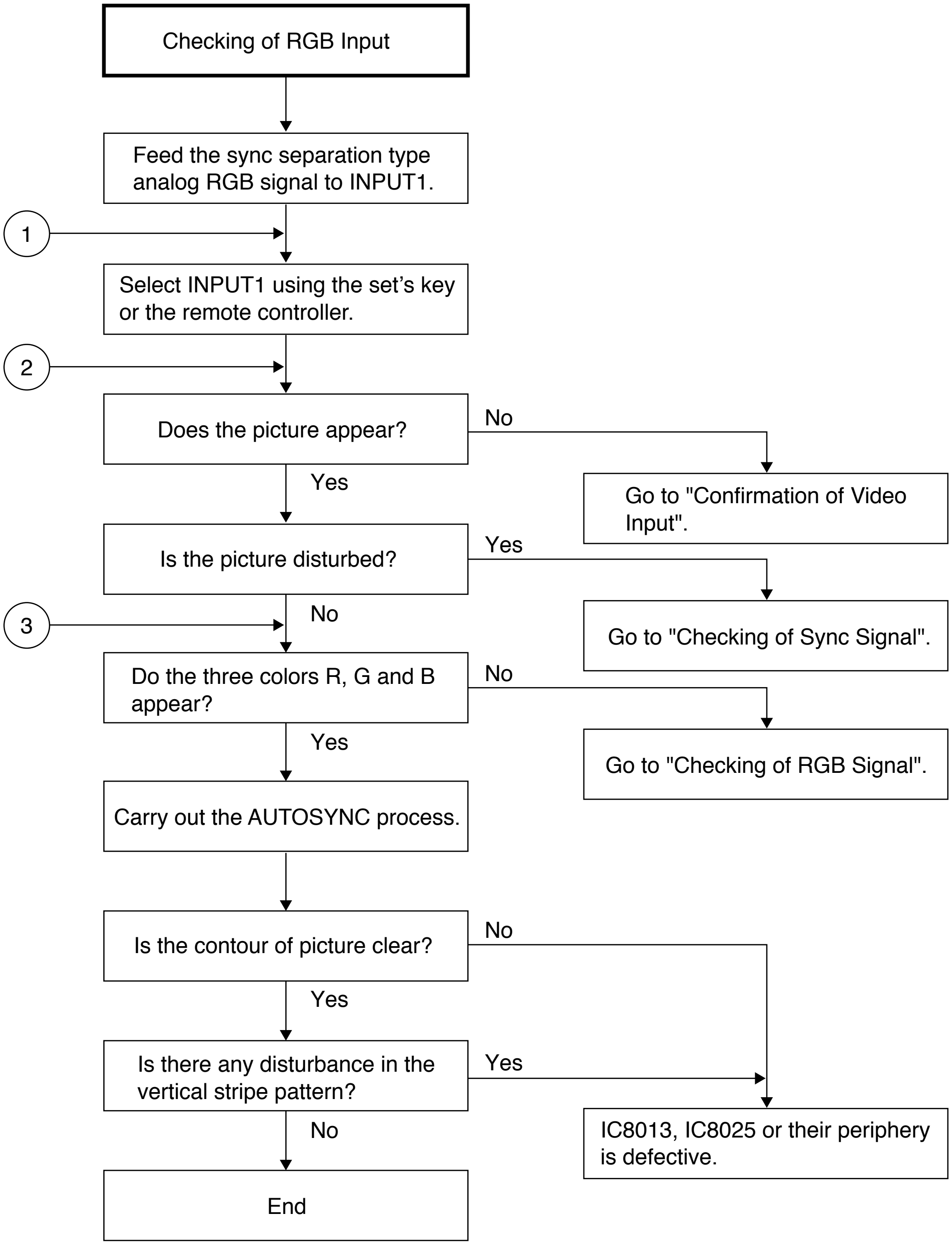
TROUBLE SHOOTING TABLE for PC I/F UNIT


Checking of PC I/F UNIT
0
Is the user menu displayed onscreen?
Yes
Yes
Check the onscreen display.
Check the RGB input.
Yes
Check the component input.
Yes
Check the video input.
Yes
End

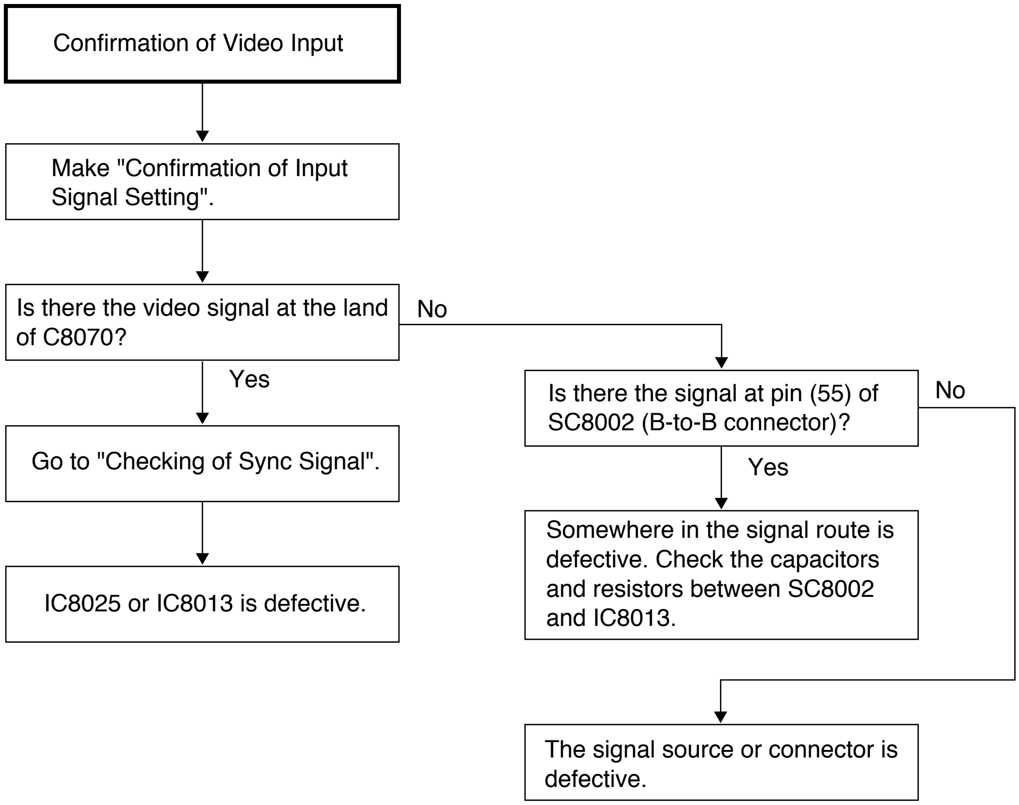
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)

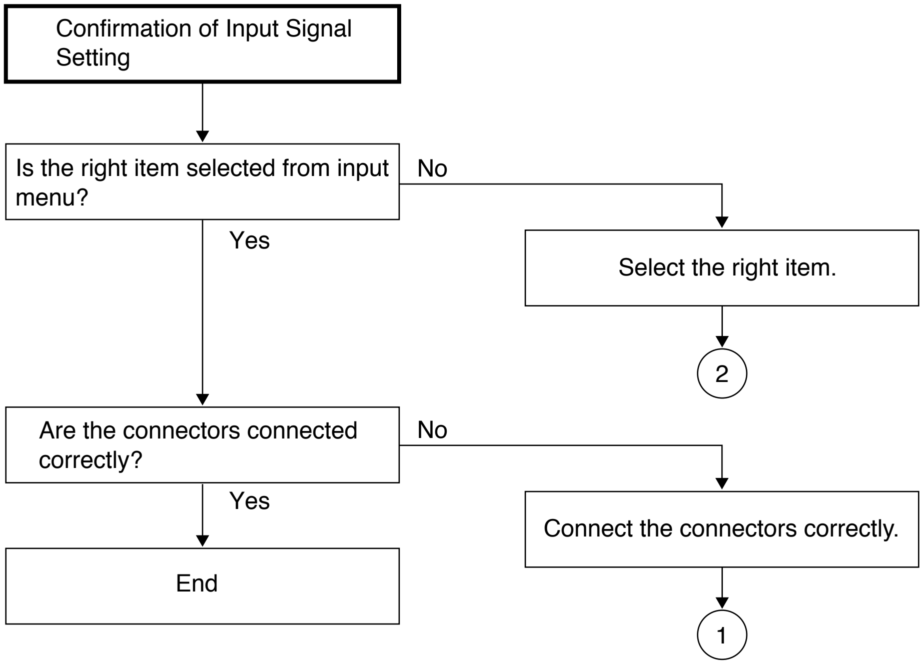

Checking of Onscreen Display
Is the user menu displayed onscreen normally by the MENU key?
Yes
No problem with the onscreen display.
No
Enter the process menu and select PATTERN. Then select the COLOR pattern.
Is the onscreen display color normal?
No
In the process mode, make the LCD line adjustment.
0
Yes
Select the STEP signal.
Is the STEP signal as specified?
Yes
Rewrite the onscreen display data.
0
No
Is the signal compatible with the STEP signal outputted at TL106 thru TL111?
No
IC8025 is defective.
Yes
Go to "Checking of GA4 and Its Periphery".
Rewrite the onscreen display data.

TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)

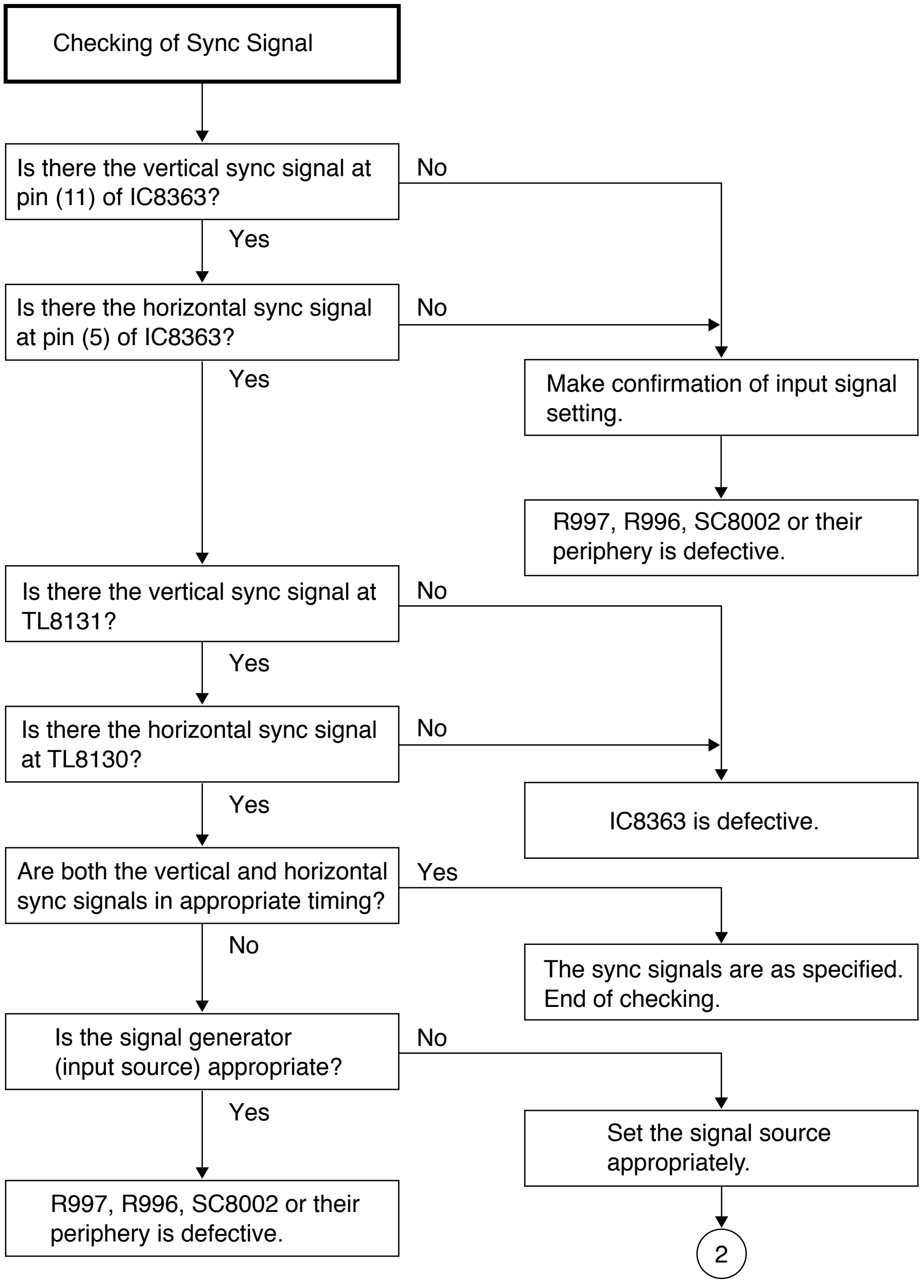

Checking of RGB Input
Feed the sync separation type analog RGB signal to INPUT1.
1
Select INPUT1 using the set's key or the remote controller.
2
Does the picture appear?
No
Go to "Confirmation of Video Input".
Yes
Is the picture disturbed?
Yes
Go to "Checking of Sync Signal".
No
3
Do the three colors R, G and B appear?
No
Go to "Checking of RGB Signal".
Yes
Carry out the AUTOSYNC process.
Is the contour of picture clear?
No
Yes
Is there any disturbance in the vertical stripe pattern?
Yes
IC8013, IC8025 or their periphery is defective.
No
End

TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)

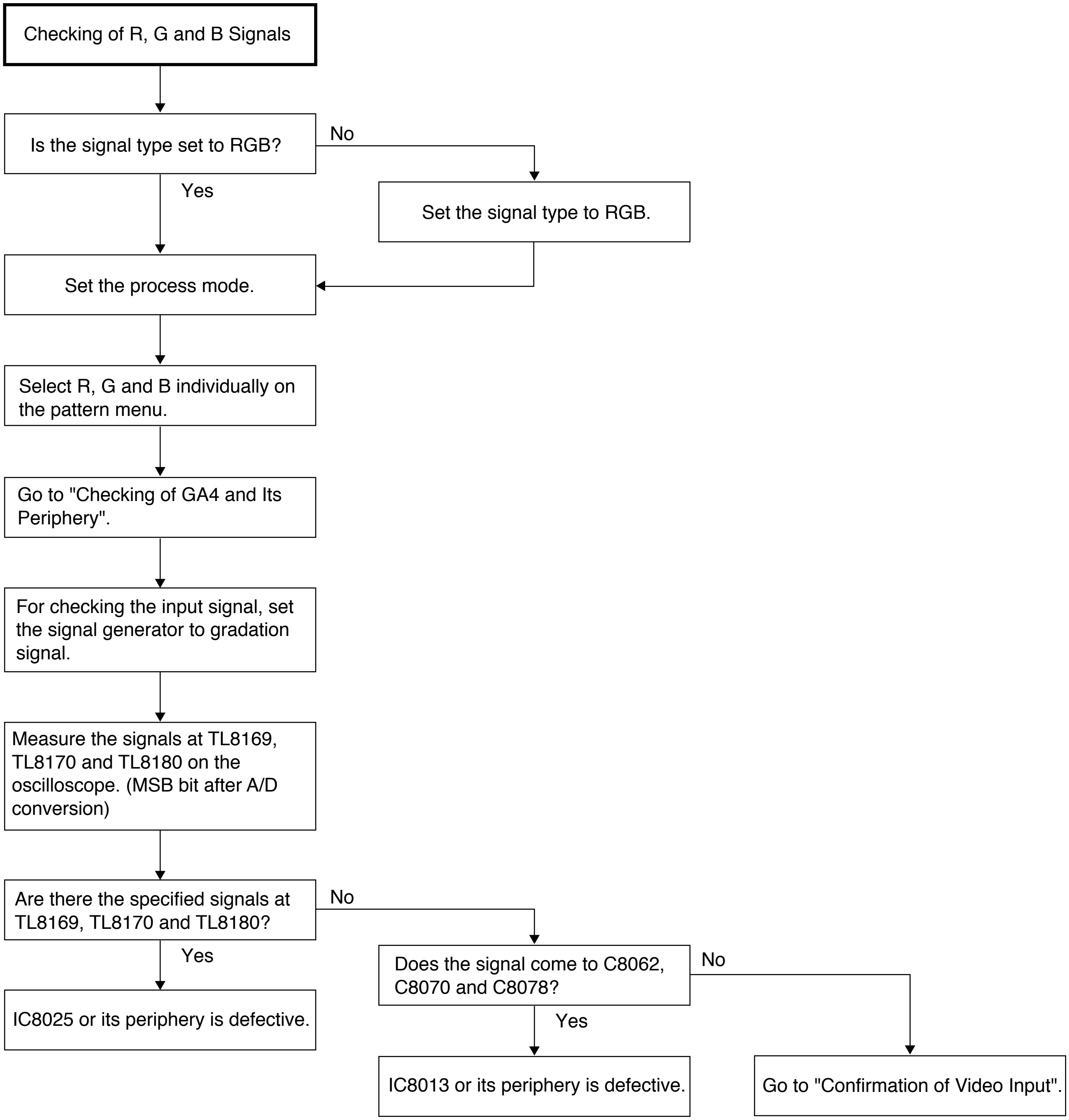

Confirmation of Video Input
Make "Confirmation of Input Signal Setting".
Is there the video signal at the land of C8070?
No
Yes
Go to "Checking of Sync Signal".
IC8025 or IC8013 is defective.
Is there the signal at pin (55) of SC8002 (B-to-B connector)?
No
Yes
Somewhere in the signal route is defective. Check the capacitors and resistors between SC8002 and IC8013.
The signal source or connector is defective.


Confirmation of Input Signal Setting
Is the right item selected from input menu?
No
Yes
Select the right item.
2
Are the connectors connected correctly?
No
Yes
End
Connect the connectors correctly.
1

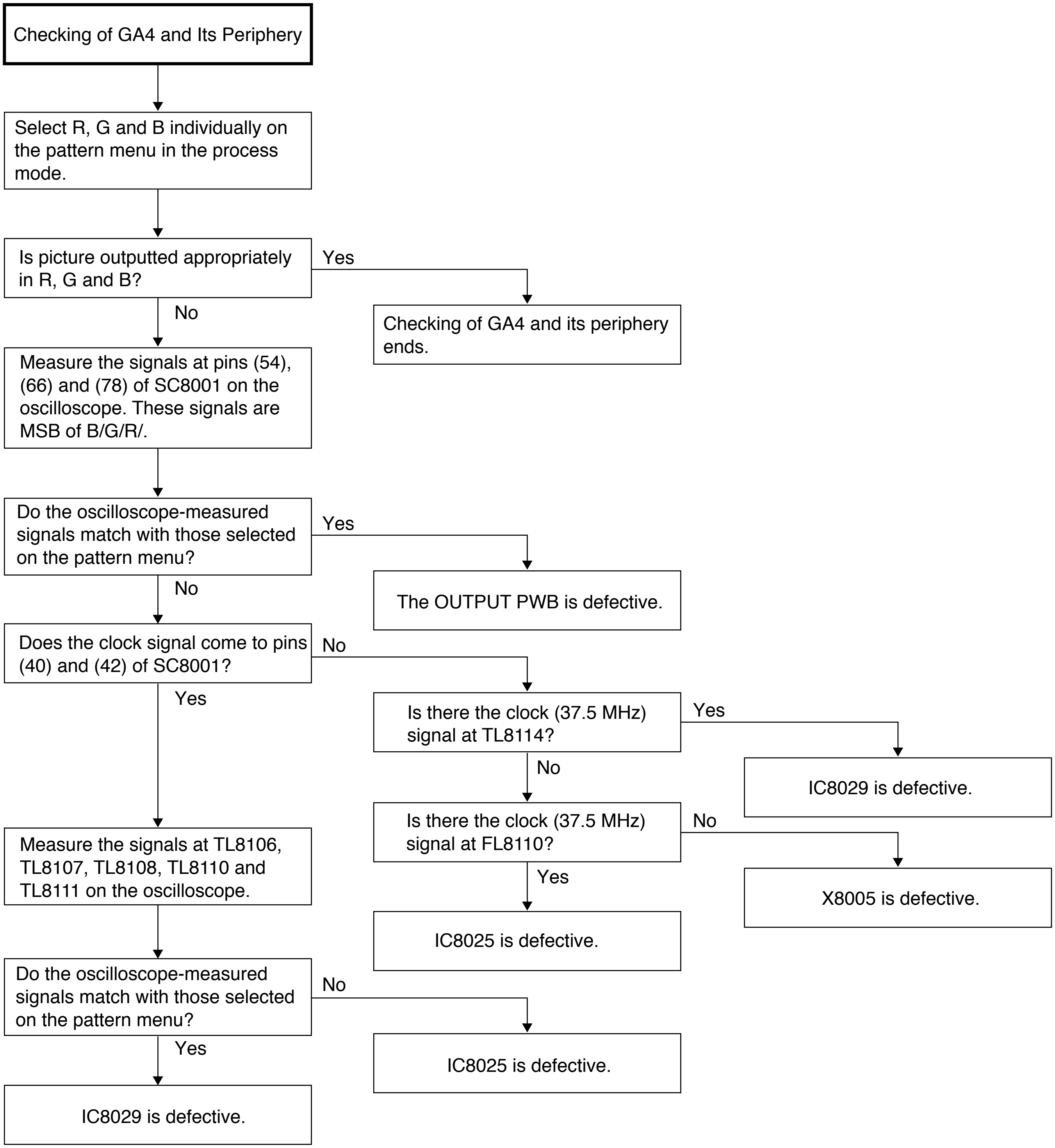
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)


Checking of Sync Signal
Is there the vertical sync signal at pin (11) of IC8363?
No
Yes
Is there the horizontal sync signal at pin (5) of IC8363?
No
Yes
Make confirmation of input signal setting.
R997, R996, SC8002 or their periphery is defective.
Is there the vertical sync signal at TL8131?
No
Yes
Is there the horizontal sync signal at TL8130?
No
Yes
IC8363 is defective.
Are both the vertical and horizontal sync signals in appropriate timing?
Yes
No
The sync signals are as specified. End of checking.
Is the signal generator (input source) appropriate?
No
Yes
Set the signal source appropriately.
R997, R996, SC8002 or their periphery is defective.
2

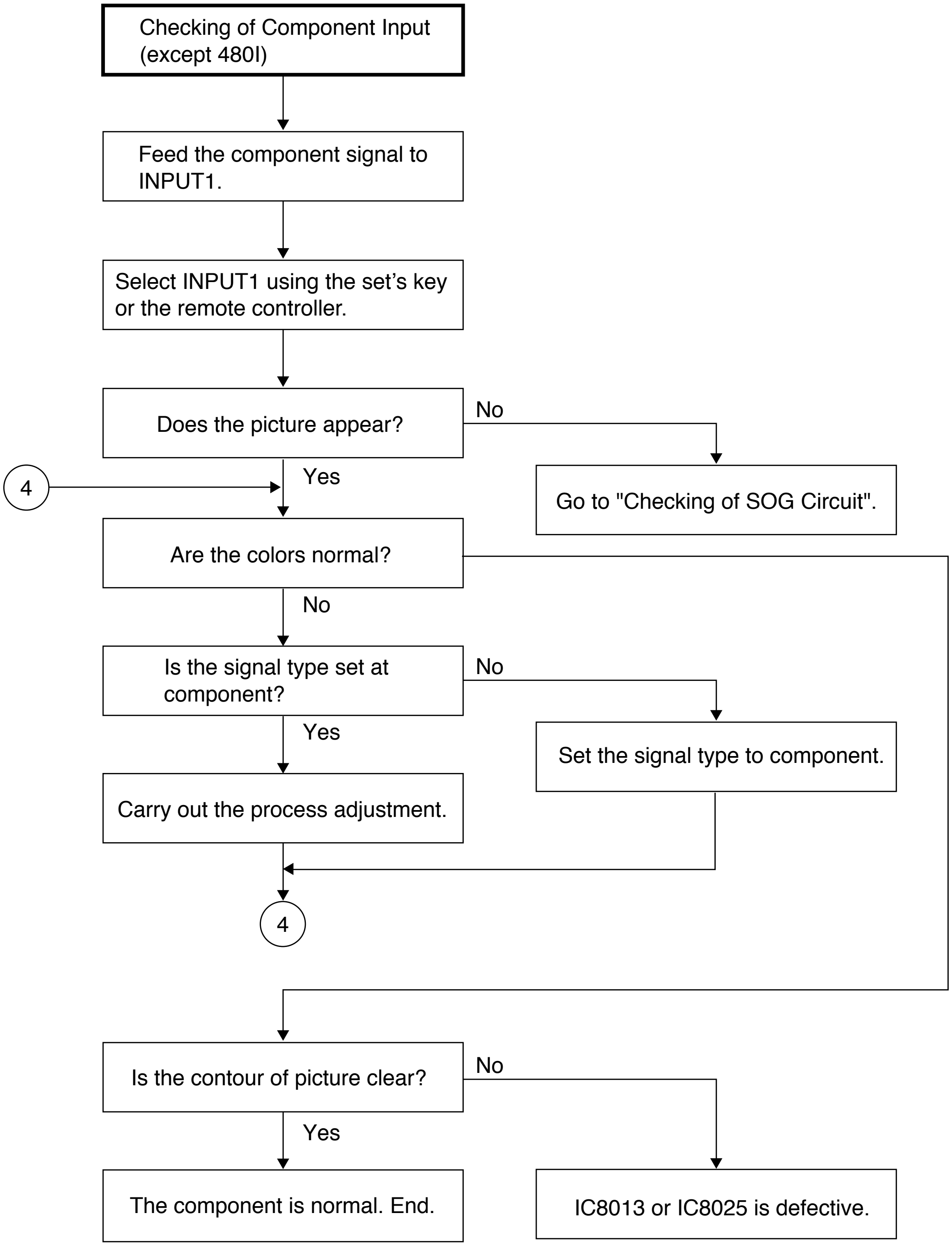
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)


Checking of R, G and B Signals
Is the signal type set to RGB?
No
Set the signal type to RGB.
Yes
Set the process mode.
Select R, G and B individually on the pattern menu.
Go to "Checking of GA4 and Its Periphery".
For checking the input signal, set the signal generator to gradation signal.
Measure the signals at TL8169, TL8170 and TL8180 on the oscilloscope. (MSB bit after A/D conversion)
Are there the specified signals at TL8169, TL8170 and TL8180?
No
Does the signal come to C8062, C8070 and C8078?
No
Go to "Confirmation of Video Input".
Yes
IC8013 or its periphery is defective.
Yes
IC8025 or its periphery is defective.

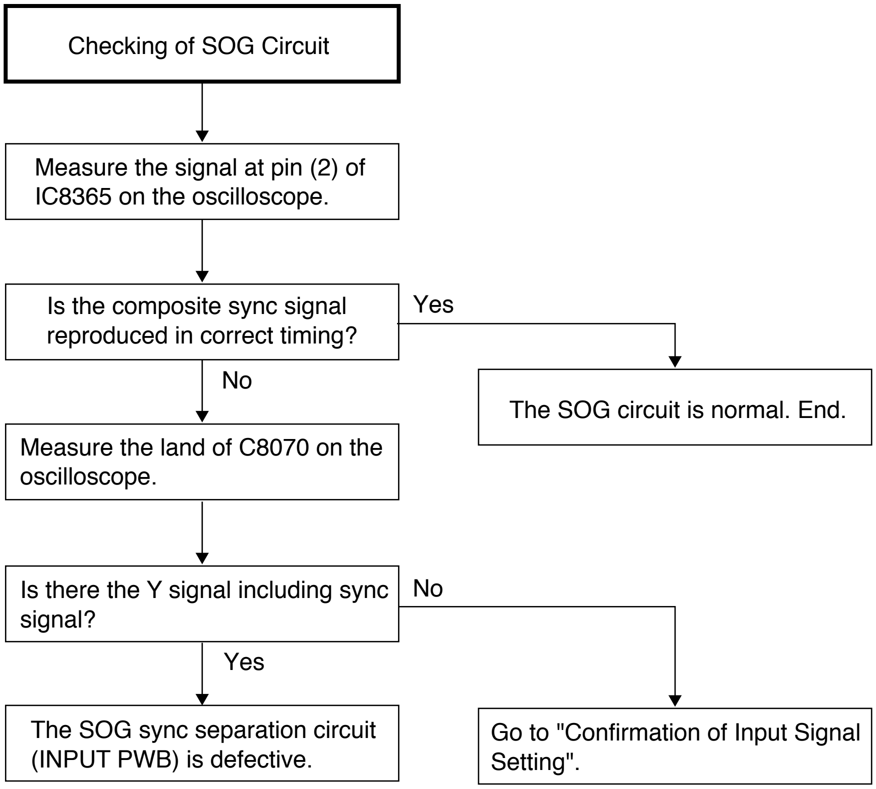
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)


Checking of GA4 and Its Periphery
Select R, G and B individually on the pattern menu in the process mode.
Is picture outputted appropriately in R, G and B?
Yes
Checking of GA4 and its periphery ends.
No
Measure the signals at pins (54), (66) and (78) of SC8001 on the oscilloscope. These signals are MSB of B/G/R/.
Do the oscilloscope-measured signals match with those selected on the pattern menu?
Yes
The OUTPUT PWB is defective.
No
Does the clock signal come to pins (40) and (42) of SC8001?
No
Is there the clock (37.5 MHz) signal at TL8114?
Yes
IC8029 is defective.
No
Is there the clock (37.5 MHz) signal at FL8110?
No
X8005 is defective.
Yes
IC8025 is defective.
Yes
Measure the signals at TL8106, TL8107, TL8108, TL8110 and TL8111 on the oscilloscope.
Do the oscilloscope-measured signals match with those selected on the pattern menu?
No
IC8025 is defective.
Yes
IC8029 is defective.

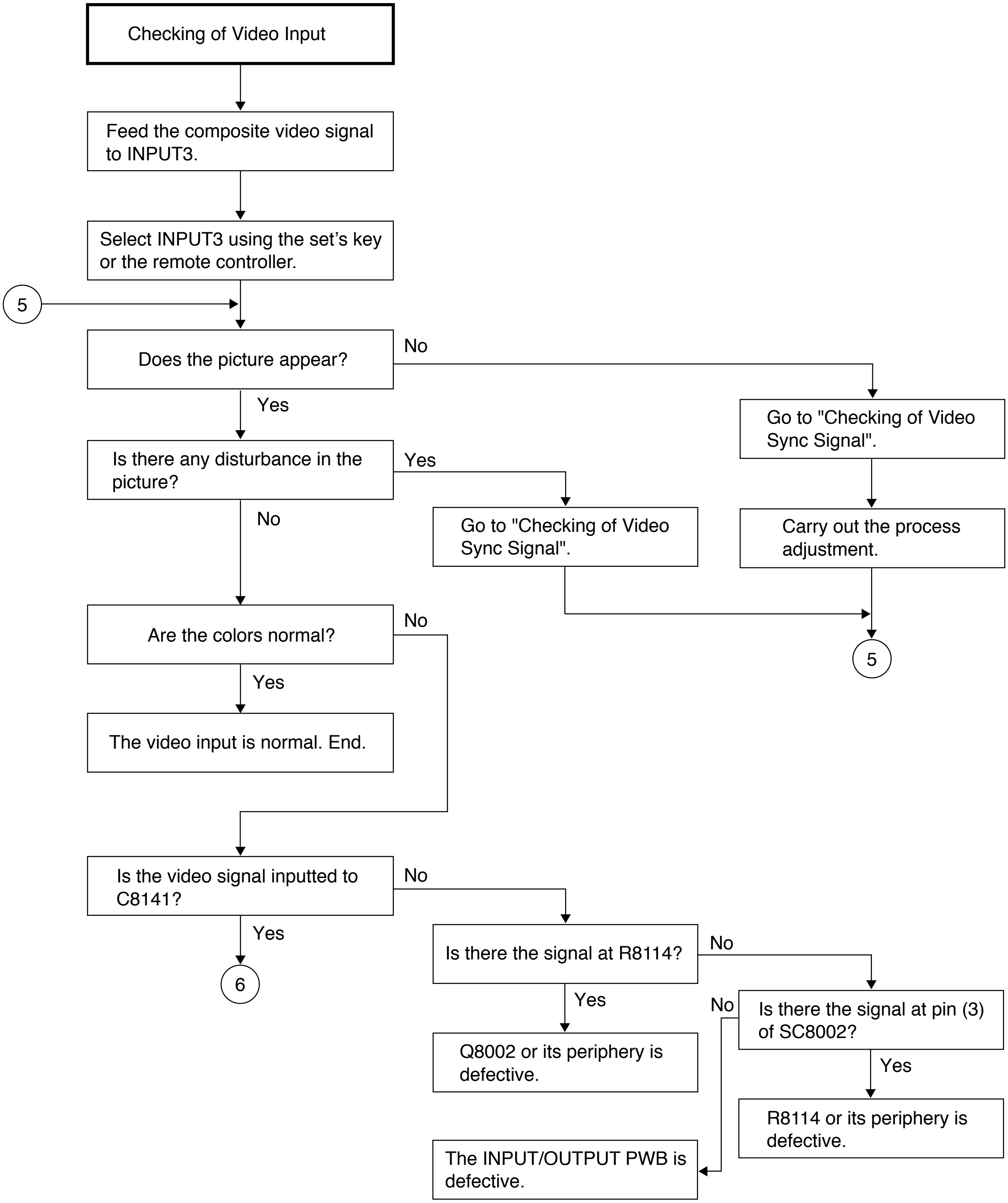
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)


Checking of Component Input (except 480I)
Feed the component signal to INPUT1.
Select INPUT1 using the set's key or the remote controller.
Does the picture appear?
No
Go to "Checking of SOG Circuit".
4
Yes
Are the colors normal?
No
Is the signal type set at component?
No
Set the signal type to component.
Yes
Carry out the process adjustment.
4
Is the contour of picture clear?
No
IC8013 or IC8025 is defective.
Yes
The component is normal. End.

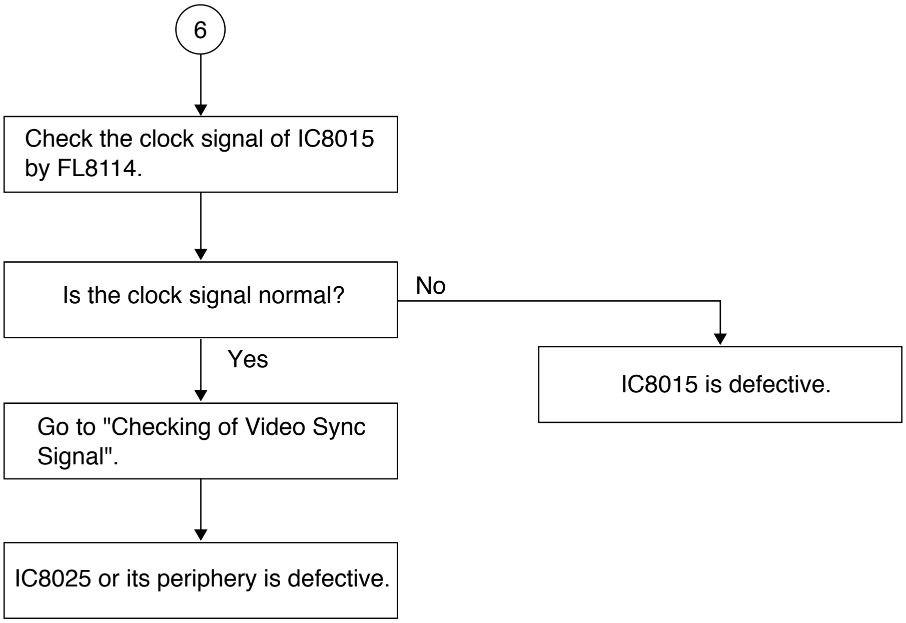
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)

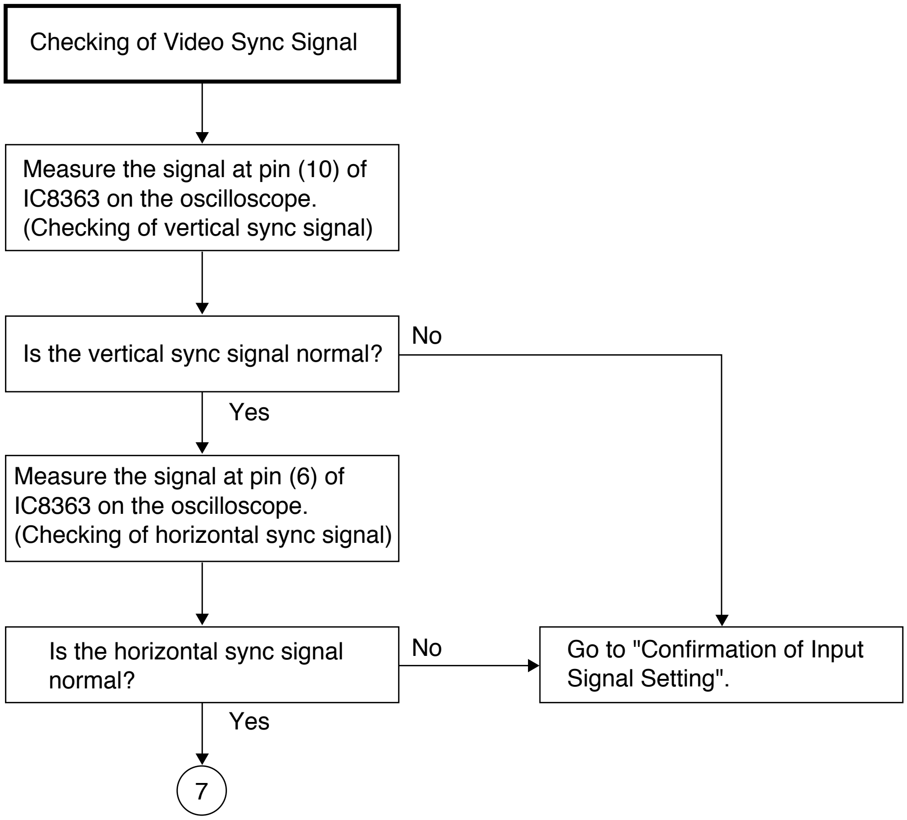

Checking of SOG Circuit
Measure the signal at pin (2) of IC8365 on the oscilloscope.
Is the composite sync signal reproduced in correct timing?
Yes
The SOG circuit is normal. End.
No
Measure the land of C8070 on the oscilloscope.
Is there the Y signal including sync signal?
No
Go to "Confirmation of Input Signal Setting".
Yes
The SOG sync separation circuit (INPUT PWB) is defective.

TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)

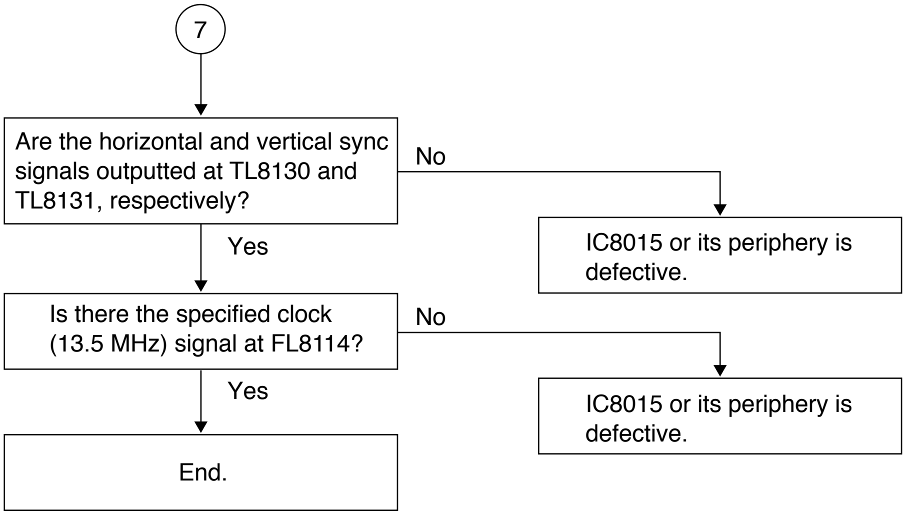

Checking of Video Input
Feed the composite video signal to INPUT3.
Select INPUT3 using the set's key or the remote controller.
5
Does the picture appear?
No
Go to "Checking of Video Sync Signal".
Carry out the process adjustment.
5
Yes
Is there any disturbance in the picture?
Yes
Go to "Checking of Video Sync Signal".
No
Are the colors normal?
No
Yes
The video input is normal. End.
Is the video signal inputted to C8141?
No
Yes
6
Is there the signal at R8114?
No
Yes
Q8002 or its periphery is defective.
Is there the signal at pin (3) of SC8002?
No
Yes
R8114 or its periphery is defective.
The INPUT/OUTPUT PWB is defective.

TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)


6
Check the clock signal of IC8015 by FL8114.
Is the clock signal normal?
No
IC8015 is defective.
Yes
Go to "Checking of Video Sync Signal".
IC8025 or its periphery is defective.


Checking of Video Sync Signal
Measure the signal at pin (10) of IC8363 on the oscilloscope. (Checking of vertical sync signal)
Is the vertical sync signal normal?
No
Yes
Measure the signal at pin (6) of IC8363 on the oscilloscope. (Checking of horizontal sync signal)
Is the horizontal sync signal normal?
No
Go to "Confirmation of Input Signal Setting".
Yes
7

TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)


7
Are the horizontal and vertical sync signals outputted at TL8130 and TL8131, respectively?
No
IC8015 or its periphery is defective.
Yes
Is there the specified clock (13.5 MHz) signal at FL8114?
No
IC8015 or its periphery is defective.
Yes
End.

Technische Daten

Produkttyp	LCD PROJEKTOR
Modell	XG-C55X
Videosystem	NTSC 3.58/NTSC 4.43/PAL/PAL-M/PAL-N/PAL 60/SECAM/ DTV480I/DTV480P/DTV540P/DTV580I/DTV580P/DTV720P/DTV1035I/DTV1080I
Wiedergabeverfahren	LCD-Panel × 3, optische RGB-Verschlussmethode
LCD-Panel	Panel-Größe: 0,99tum(25,1 mm)(15 [H] × 20 [B] mm) Anzahl der Bildpunkte: 786.432 Bildpunkte (1.024 [H] × 768 [V])
Standard-Objektiv	1−1,27× Zoom-Objektiv, F1,7−2,2,f = 36,5−46,3mm
Projektionslampe	Wechselstromlampe SHP 300 W
Komponenten-Eingangssignale	15-poliger Mini-D-Sub-Anschluss
(INPUT 1/2)	Y: 1,0 Vs-s, negatives Sync., 75 Ω terminiert P_B: 0,7 Vs-s, 75 Ω terminiert P_R: 0,7 Vs-s, 75 Ω terminiert
Horizontale Auflösung	750 Fernsehzeilen (DTV720P)
Computer-RGB-Eingangssignal	15-poliger Mini-D-Sub-Anschluss
(INPUT 1/2)	RGB getrennt/Sync auf Grün-Typ analoger Eingang: 0-0,7 Vs-s, positiv, 75 Ω terminiert HORIZONTALES SYNC.-SIGNAL: TTL-Pegel (positiv/negativ) VERTIKALES SYNC.-SIGNAL: Wie oben
Videoeingangssignal	RCA-Anschluss: VIDEO, gemischtes Video, 1,0 Vs-s, negatives Sync., 75 Ω terminiert
(INPUT 3)	
S-Videoeingangssignal	4-pol. Mini DIN-Anschluss
(INPUT 4)	Y (Luminanzsignal): 1,0 Vs-s, negatives Sync., 75 Ω terminiert C (Chrominanzsignal): Stoß 0,286 Vs-s, 75 Ω terminiert
Computer-Steuerungssignal (RS-232C)	9-Pin Mini-DIN-Stecker
Pixeltakt	12-230 MHz
Vertikale Frequenz	43-200 Hz*
Horizontale Frequenz	15-126 kHz
Audioeingangssignal	ø3,5 mm Minibuchse: AUDIO, 0,5 Vrms, mehr als 47 kΩ (Stereo)
Audioausgang	3,0 W (Mono)
Lautsprechersystem	4 cm × 7 cm
Nennspannung	100-240 V Wechselstromspannung
Eingangsspannung	4,0 A
Nennfrequenz	50/60 Hz
Leistungsaufnahme	400 W (Standard-Modus)/325 W (Modus mit niedrigem Stromverbrauch)bei AC 100 V 380 W (Standard-Modus)/310 W (Modus mit niedrigem Stromverbrauch)bei AC 240 V
Leistungsaufnahme	0,5 W (bei AC 100 V)-0,8 W (bei AC 240 V) (wenn "Monitor/RS232" auf "OFF" gestellt ist)
(Bereitschaft)	1.505 BTU/Stunde (Standard-Modus)/1.220 BTU/stunde (Modus mit niedrigem Stromverbrauch)bei AC 100 V
Wärmeableitung	1.430 BTU/Stunde (Standard-Modus)/1.165 BTU/stunde (Modus mit niedrigem Stromverbrauch)bei AC 240 V 41°F bis 104°F (+5°C bis +40°C)
Betriebstemperatur	– 4°F bis 140°F (–20°C bis +60°C)
Lagertemperatur	Plastik
Gehäuse	38 kHz
I/R-Trägerfrequenz	15 3/8" × 3 7/8" × 11 9/16" (390 (B) × 99 (H)× 294 (T) mm) (nur Hauptgerät)
Abmessungen (ca.)	15 1/2" × 4 7/16" × 11 5/8" (393 (B) × 114 (H) × 303 (T) mm) (einschließlich Drehfüße und Projektionsteile)
Gewicht (ca.)	11,3 lbs. (5,1 kg)
Mitgeliefertes Zubehör	Fernbedienung, zwei R6-Batterien, Netzkabel für USA, Kanada usw. (11'10", 3,6 m), Netzkabel für Europa, ausgenommen Großbritannien (6', 1,8 m), Netzkabel für Großbritannien, Hongkong und Singapur (6', 1,8 m), Netzkabel für Australien, Neuseeland und Ozeanien (6', 1,8 m), RGB-Kabel (9' 10", 3 m), USB-Kabel 3'3", 1 m), (DIN-D-Sub RS-232C-Adapter (5 57/64", 15 cm), Fernbedienungsempfänger, Zusätzlicher Luftfilter, Objektivkappe (befestigt), Projektorhandbuch-und technische Referenz-CD-ROM, Sharp Advanced Presentation Software CD-ROM, Schnell-Installationsanleitung für die Sharp Advanced Presentation Software, "QUICK GUIDE (Schnellanleitung)"-Aufklebers, Bedienungsanleitung
Ersatzteile	Lampeneinheit (Lampen-/Gehäusemodul) (BQC-XGC55X//1), Fernbedienung (RRMCGA176WJSA), zwei R 6-Batterien ("AA", UM/SUM-3, HP-7 oder ähnlich), Netzkabel für USA, Kanada usw. (QACCDA010WJPZ), Netzkabel für Europa, ausgenommen Großbritannien (QACCVA011WJPZ), Netzkabel für Großbritannien, Hongkong und Singapur (QACCBA012WJPZ), Netzkabel für Australien, Neuseeland und Ozeanien (QACCLA014WJPZ),RGB-Kable (QCNWGA012WJPZ), USB-Kabel (QCNWG0007CEPZ), DIN-D-Sub RS-232C-Adapter (QCNWGA015WJPZ), Fernbedienungsempfänger (RUNTKA061WJZZ), Luftfilter (PFILDA005WJZZ), Objektivkappe (PCAPHA003WJSA), Projektorhandbuch-und- technische Referenz-CD-ROM (UDSKAA035WJZZ), Sharp Advanced Presentation Software CD-ROM (UDSKAA036WJZZ), Schnell-Installationsanleitung für die Sharp Advanced Presentation Software (TINS-A867WJZZ), "QUICK GUIDE (Schnellanleitung)"-Aufklebers (TLABZA364WJZZ), Bedienungsanleitung (TINS-A812WJZZ)

*Bei vertikalen Frequenzen über 100 Hz kann eine zeitweise Störung sichtbar werden, wenn die OSD-Funktionen eingeschaltet sind.

Bedingt durch fortlaufende technische Verbesserungen behält sich SHARP das Recht vor, das Design und die Spezifikationen ohne vorherige Ankündigung ändern zu können. Die angegebenen Leistungswerte stellen die Nennwerte einer in Serienherstellung produzierten Einheit dar. Geringe Abweichungen bei einzelnen Geräten sind möglich.

HINWEIS FÜR DAS WARTUNGSPERSONAL

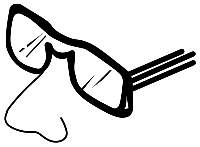
ACHTUNG: UV-STRAHLUNG

Die Lichtquelle im Projektor, eine Metall-Halogen-Lampe, gibt eine geringe UV-Strahlung ab.

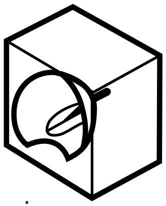
DIREKTE BESTRAHLUNG AUF AUGEN UND HAUT MUSS VERMIEDEN WERDEN.

Zur Gewährleistung der Sicherheit muß folgendes beachtet werden:

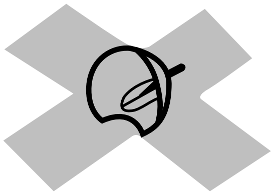
1. Bei Arbeiten am Projektor bei eingeschalteter Lampe und abgenommenem oberen Gehäuse muß unbedingt eine Sonnenbrille getragen werden.



2. Die Lampe darf nicht außerhalb des Lampengehäuses eingeschaltet werden.



3. Betrieb für länger als 2 Stunden bei abgenommenem Gehäuse ist nicht zulässig.



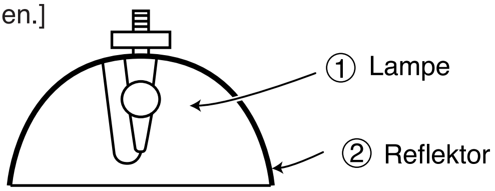
Vorsichtsmaßnahmen gegen UV-Strahlung und Hochdrucklampe

1. Vor dem Auswechseln der Lampe muß der Netzstecker gezogen werden.
2. Vor Durchführung von Wartungsarbeiten muß das Gerät eine Stunde abkühlen.
3. Nur mit dem gleichen Lampentyp ersetzen Typ BQC-XGC50X//1; Nennleistung 80 V/300 W.
4. Die Lampe gibt eine geringe UV-Strahlung ab, daher muß direkter Augenkontakt vermieden werden.
5. Bei der Hochdrucklampe besteht eine Explosionsgefahr. Auf jeden Fall den unten beschriebenen Installationsanweisungen folgen und die Lampe vorsichtig behandeln.

■ Auswechseln der Lampe

Hinweis:

Da die Lampe während des Betriebs sehr heiß wird, sollte die Lampe erst ausgewechselt werden, nachdem das Gerät mindestens eine Stunde ausgeschaltet war, damit die Lampe ausreichend abkühlen kann.
Beim Installieren der neuen Lampe muß darauf geachtet werden, die Lampe selbst (Glaskolben) nicht zu berühren. Vielmehr muß die Lampe am Reflektor ② gehalten werden.
[Es darf nur ein Original-Ersatzteil verwendet werden.]



GEFAHR! — Niemals die Spannungsversorgung einschalten, ohne daß eine Lampe vorhanden ist, um elektrische Schläge und Schäden am Gerät zu vermeiden, da der Stabilisator anfangs hohe Spannungen erzeugt.

Da eine geringe UV-Strahlung aus einer Öffnung zwischen der Schachtabdeckung und dem Lampengehäuse austritt, sollte der Objektivdeckel bei Wartungsarbeiten auf die Öffnung gesetzt werden, um die Bestrahlung von Augen und Haut zu vermeiden.

Vorsichtsmaßregeln für bleifreien Lötzinn

1 Verwendung von bleifreiem Lötzinn

Die "Eingangs-, Ausgangs-, Fernbedienungs-, Schlüsell-, AC-Eingangs-, Netz-, Gebläse-Platine" dieses Modells verwendet bleifreien Lötzinn. Das LF-Symbol zeigt bleifreien Lötzinn an und ist an den Platinen und Wartungsanleitungen angebracht. Der Buchstabe nach LF zeigt den Typ des bleifreien Lötzinns an.

Beispiel:

LFa

Sn-Ag-Cu Zeigt bleifreien Lötzinn aus Zinn, Silber und Kupfer an.

2 Bei Reparatur der mit bleifreiem Lötzinn gelöteten Platine immer bleifreien Lötzinn verwenden. Reparatur mit herkömmlichem Lötzinn kann zu Schäden oder Unfällen aufgrund von Rissen führen.

Da der Schmelzpunkt bleifreien Lvtzinns (Sn-Ag-Cu) um 40°C höher als der von Bleidraht-Lötzinn ist, empfehlen wir die Verwendung einer speziellen Lötspitze. Wenn Fragen über den Beschaffung leitfreien Lötzinns oder spezieller Lötspitzen bestehen, wenden Sie sich an unsere Kundendienstvertretung in Ihrem Gebiet.

3 Löten

Da der Schmelzpunkt bleifreien Lötzinns (Sn-Ag-Cu) etwa 220°C beträgt, was um 40°C höher als der von bleihaltigem Lötzinn ist, und außerdem schlechte Löt-Benetzbarkeit aufweist, kann es erforderlich werden, die Lötspitze längere Zeit in Kontakt mit der Platine zu halten. Da die Lötlauge abfliessen kann oder der maximale Hitzewiderstand von Teilen überschritten werden kann, die Lötspitze sofort von der Platine nehmen, sobald eine gute Lötung erzielt ist.

Bleifreier Lötzinn enth_lt mehr Zinn, und das Ende der Lötspitze kann leicht angegriffen werden. Immer sicherstellen, dass der Lötkolben nur bei Bedarf eingeschaltet wird.

Wenn ein anderer Typ von Lötzinn an der Lötspitze haften bleibt, verschmilzt er mit dem bleifreien Lötzinn. Die Lötspitze nach jeder Verwendung reinigen.

Wenn die Lötspitze bei der Verwendung geschwärzt wird, die Spitze mit Stahlwolle oder feinem Sandpapier abschmirgeln.

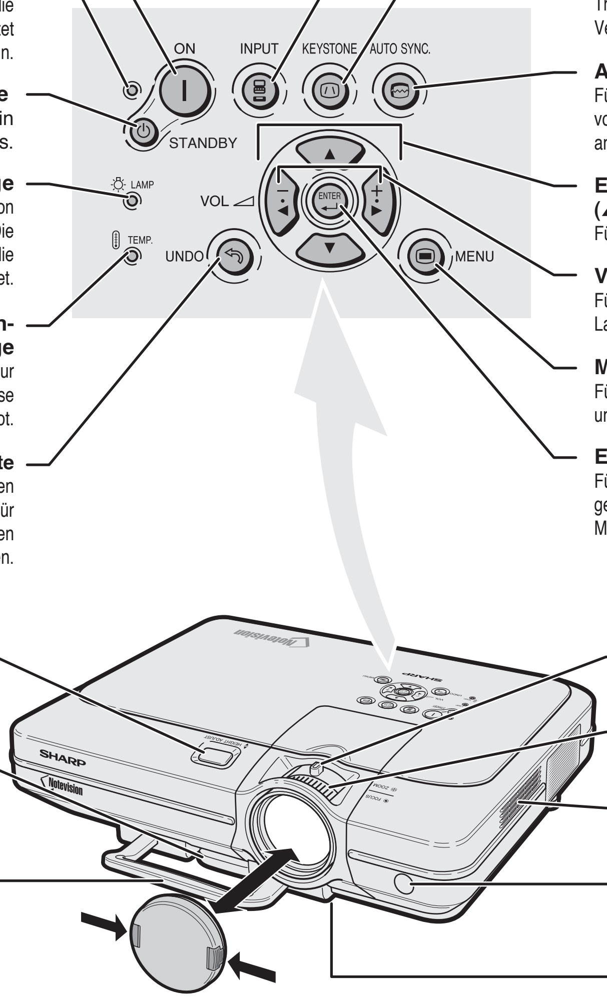
Immer beim Austausch von Teilen vorsichtig sein, und die Polaritätsanzeige auf der Platinenbeschriftung beachten.

Bleifreier Lötzinn zur Wartung

Teile-Nr.	★	Beschreibung	Code
ZHNDAi123250E	J	ϕ0.3mm 250g(1roll)	BL
ZHNDAi126500E	J	ϕ0.6mm 500g(1roll)	BK
ZHNDAi12801KE	J	ϕ1.0mm 1 Rolle	BM

Bedienungsanleitung

Projektor (Vorder- und Draufsicht)



ON-Taste
Schaltet die Stromversorgung ein.

Netz-Anzeige
Leuchtet rot, wenn sich der Projektor im Bereitschaftsbetrieb befindet. Wenn die Stromversorgung eingeschaltet ist, leuchtet diese Anzeige grün.

STANDBY-Taste
Schaltet den Projektor in den Standby-Modus.

Lampen-Anzeige
Bei vorschriftsmäßiger Funktion leuchtet diese Anzeige grün. Die Lampe austauschen, wenn die Anzeige rot leuchtet.

Temperaturwarn-Anzeige
Wenn die interne Temperatur ansteigt, leuchtet diese Anzeige rot.

UNDO-Taste
Für das Rückgängigmachen eines Bedienschrittes oder für die Rückkehr zu den Grundeinstellungen.

INPUT-Taste
Für das Umschalten zwischen Eingangsmodus 1, 2, 3 und 4.

KEYSTONE-Taste
Für das Einstellen der Trapezverzerrungs- oder Digitalen Verschiebungs-Einstellung.

AUTO SYNC-Taste
Für das automatische Einstellen von Bildern, wenn ein Computer angeschlossen ist.

Einstelltasten (▲, ▼, ◀, ▶)
Für die Wahl der Menüpunkte.

VOL-Tasten
Für das Einstellen des Lautsprecher-Tonpegels.

MENU-Taste
Für die Anzeige des Justierungs- und Einstellungsbildschirms.

ENTER-Taste
Für die Einstellung der gewählten oder eingestellten Menüpunkte.

HEIGHT ADJUST-Taste

Einstellfuß

Tragegriff

Zoom-Knopf

Fokusring

Luftzufuhr

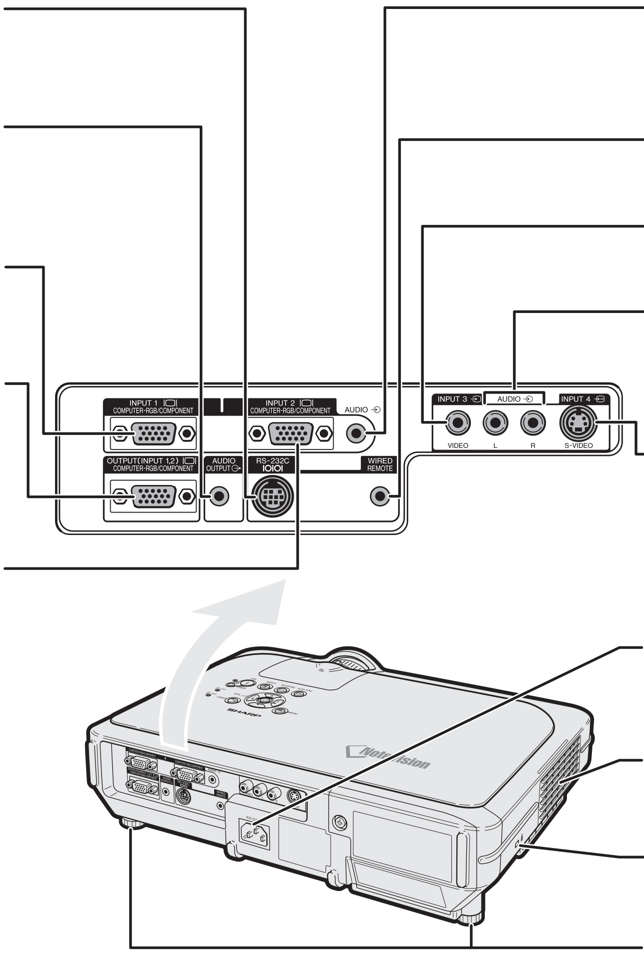
Fernbedienungssensor

Luftfilter/Ventilator (Luftzufuhr) (auf der Unterseite des Projektors)

Anbringen und Abnehmen der Objektivkappe

- Drücken Sie an den beiden Tasten der Objektivkappe, und bringen Sie diese an dem Objektiv an. Danach geben Sie die Tasten frei, um die Objektivkappe zu verriegeln.
- Drücken Sie die beiden Tasten der Objektivkappe, und nehmen Sie die Objektivkappe von dem Objektiv ab.

Projektor (Hintersicht)


INPUT 1
COMPUTER-RGB/COMPONENT
INPUT 2
COMPUTER-RGB/COMPONENT
AUDIO
OUTPUT(INPUT 1,2)
COMPUTER-RGB/COMPONENT
AUDIO
OUTPUT
RS-232C
WIRED
REMOTE
INPUT 3
AUDIO
INPUT 4
VIDEO
L
R
S-VIDEO

RS-232C-Anschluss
Für die Bedienung des Projektors über Computers.

AUDIO OUTPUT-Anschluss
Geteiltes Audio Ausgabeanschluss für INPUT 1, 2, 3 und 4.

INPUT 1-Anschluss
Anschluss für Computer RGB und Komponentensignale.

OUTPUT (INPUT 1, 2)-Anschluss
Geteilter Computer-RGB- und Komponentensignale-Ausgabeanschluss für INPUT 1 und 2.

INPUT 2-Anschluss
Anschluss für Computer RGB und Komponentensignale.

AUDIO INPUT 1, 2-Anschluss
Geteilter Audioeingabeanschluss für INPUT 1 und 2.

WIRED REMOTE-Eingabeanschluss

INPUT 3-Anschluss
Für den Anschluss eines Videogerätes.

AUDIO (L/R) INPUT 3, 4-Anschlüsse
Geteilter Audioeingabeanschluss für INPUT 3 und 4.

INPUT 4-Anschluss
Anschluss für ein Videogerät mit einem S-VIDEO-Anschluss.

Netzanschluss

Luftaustritt-öffnung

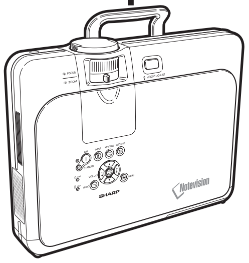
Kensington-Sicherheits-standardanschluss

Einstellfuß

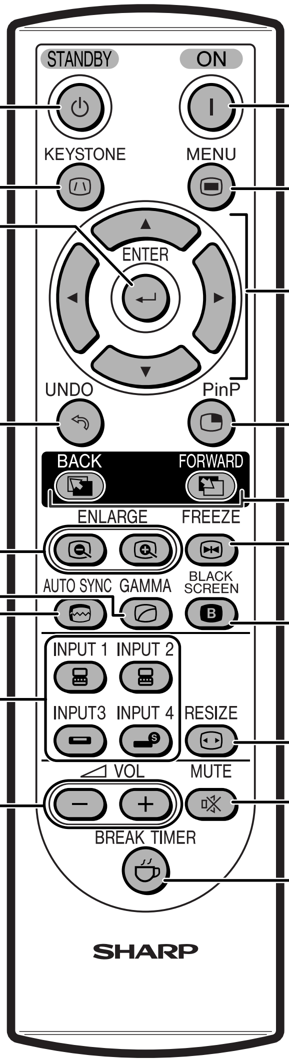
Verwendung der Kensington-Sperre

- Dieser Projektor ist mit einem Kensington-Sicherheitsstandardanschluss für die Verwendung des Kensington MicroSaver-Sicherheitssystem ausgestattet. Lesen Sie hinsichtlich der Verwendung die Informationen, die dem System beiliegen, um den Projektor zu sichern.

Transportieren des Projektors
Bevor Sie den Projektor transportieren, muss der Tragegriff vollkommen ausgeklappt werden.



Fernbedienung (Vordersicht)



STANDBY-Taste
Schaltet den Projektor in den Standby-Modus.

KEYSTONE-Taste
Zur Einstellung des Keystone oder Digital Shift.

ENTER-Taste
Für die Einstellung der gewählten oder eingestellten Menüpunkte.

UNDO-Taste
Für das Rückgängigmachen eines Bedienschrittes oder für die Rückkehr zu den Grundeinstellungen.

ENLARGE-Tasten (Vergrößern/Verkleinern)
Für das Vergrö§ern oder Verkleinern eines Bildteils.

GAMMA-Taste
Für das Korrigieren der Helligkeit eines Bildes, wenn das angezeigte Bild aufgrund der Raumhelligkeit schwierig zu sehen ist. Sie können aus vier verfügbaren Gamma-Modi auswählen.

AUTO SYNC-Taste
Für das automatische Einstellen von Bildern, wenn ein Computer angeschlossen ist.

INPUT-Tasten
Zum Umschalten auf die entsprechenden Eingabemodi.

VOL-Tasten
Für das Einstellen des Lautsprecher-Tonpegels.

ON-Taste
Schaltet die Stromversorgung ein.

MENU-Taste
Für die Anzeige des Justierungs- und Einstellungsbildschirms.

Einstelltasten (▲, ▼, ◀, ▶)
Für die Wahl der Menüpunkte.

PinP-Taste
Zur Anzeige von Doppelbildern.

FORWARD/BACK-Tasten
Gleiche Funktion wie die [Page Down]- und [Page Up]-Tasten auf der Computer-Tastatur, wenn der Fernbedienungsempfänger verwendet wird.

FREEZE-Taste
Für das Einfrieren von Bildern.

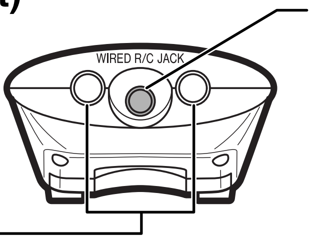
BLACK SCREEN-Taste
Schwarzüberlagerung des Bildschirms.

RESIZE-Taste
Für das Umschalten der Bildwandgröße (NORMAL, UMRANDLING usw).

MUTE-Taste
Zum zeitweisen Stummschalten.

BREAK TIMER-Taste
Zur Anzeige des Pausentimers.

Fernbedienung (Draufsicht)

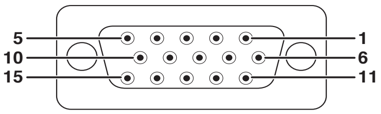


WIRED R/C JACK
Fernbedienungsanschluss an den Projektor.

Signalsender für Fernbedienung

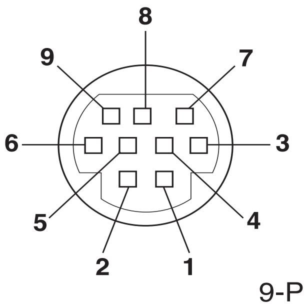
Pin-Belegung

INPUT-1/2-RGB und OUTPUT-Signalanschluss: 15-Pin Mini-D-Sub weiblich



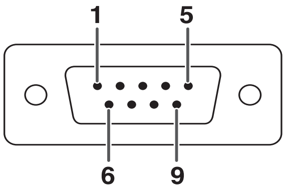
	RGB-Eingabe	Komponenteneingabe
1.	Videoeingabe (rot)	P_R (C_R)
2.	Videoausgabe (grün/sync auf grün)	Y
3.	Videoausgabe (blau)	P_B (C_B)
4.	Nicht angeschlossen	Nicht angeschlossen
5.	Nicht angeschlossen	Nicht angeschlossen
6.	Erde (rot)	Erde (P_R)
7.	Erde (grün/sync auf grün)	Erde (Y)
8.	Erde (blau)	Erde (P_B)
9.	nicht angeschlossen	Nicht angeschlossen
10.	GND	Nicht angeschlossen
11.	Nicht angeschlossen	Nicht angeschlossen
12.	Bi-directionale Daten	Nicht angeschlossen
13.	Horizontal-Sync-Signal : TTL level	Nicht angeschlossen
14.	Vertikal-Sync-Signal : TTL level	Nicht angeschlossen
15.	Datenuhr	Nicht angeschlossen

RS-232-Anschluss: 9-Pin Mini-DIN weiblich



Pin-Nr.	Signal	Name	I/O	Referenz
1				Nicht angeschlossen
2	RD	Daten empfangen	Eingabe	interner Stromkreisanschluss
3	SD	Daten senden	Ausgabe	interner Stromkreisanschluss
4				Nicht angeschlossen
5	SG	Signalgrund		interner Stromkreisanschluss
6				Nicht angeschlossen
7	RS			Angeschlossen an Pin 8
8	CS			Angeschlossen an Pin 7
9				Nicht angeschlossen

9-Pin D-Sub männlicher Anschluss des DIN-D-Sub-RS-232C-Adapter

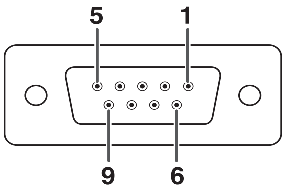


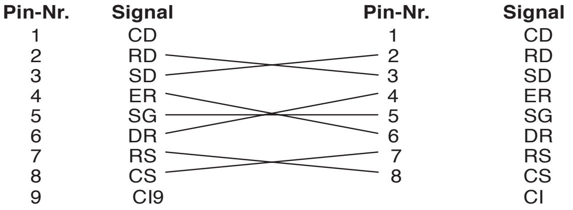
Pin-Nr.	Signal	Name	I/O	Referenz
1				Nicht angeschlossen
2	RD	Daten empfangen	Eingabe	interner Stromkreisanschluss
3	SD	Daten senden	Ausgabe	interner Stromkreisanschluss
4				Nicht angeschlossen
5	SG	Signalgrund		interner Stromkreisanschluss
6				Nicht angeschlossen
7	RS			interner Stromkreisanschluss
8	CS			interner Stromkreisanschluss
9				Nicht angeschlossen

Hinweis

- Pin 8(CS) und Pin 7(RS) sind im Innern des Projektors kurzgeschlossen.

RS-232C Kabel empfohlene Verbindung: 9-Pin-D-Sub weiblich

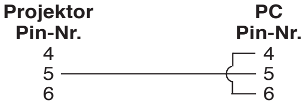




Pin-Nr.	Signal	Pin-Nr.	Signal
1	CD	1	CD
2	RD	2	RD
3	SD	3	SD
4	ER	4	ER
5	SG	5	SG
6	DR	6	DR
7	RS	7	RS
8	CS	8	CS
9	CI9		CI

Hinweis

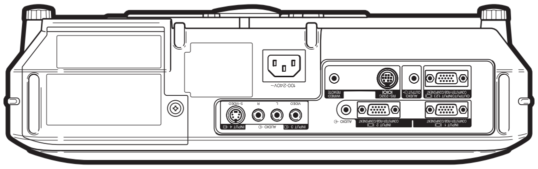
- Je nach verwendetem Steuergerät ist es unter Umständen erforderlich, Pin 4 und Pin 6 am Steuergerät (z.B. am PC) anzuschließen.



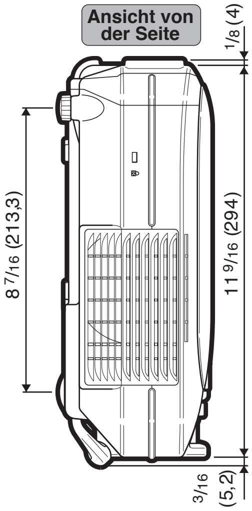
Projektor Pin-Nr.	PC Pin-Nr.
4	4
5	5
6	6

Abmessungen

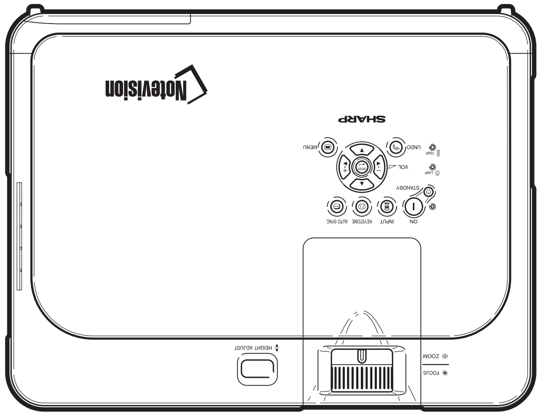
Ansicht von hinten



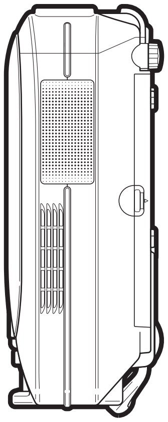
Ansicht von der Seite


1/8 (4)
8 7/16 (213,3)
11 9/16 (294)
3/16 (5,2)

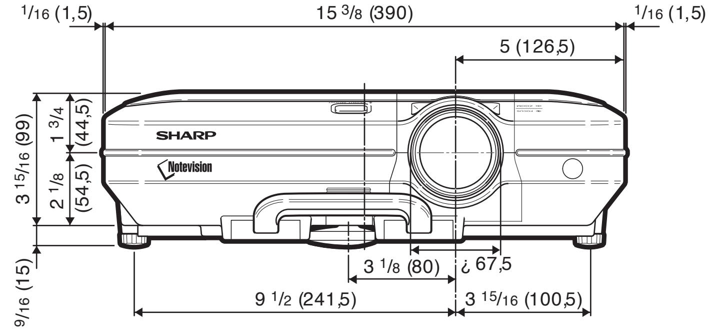
Ansicht von oben


Notevision
SHARP
MENU
UNDO
VOL
STANDBY
ON
INPUT
KEYSTONE
AUTO SYNC
HEIGHT ADJUST
ZOOM
FOCUS

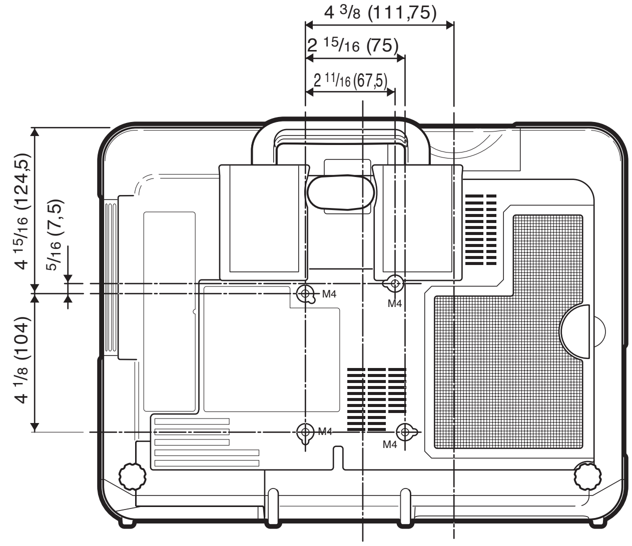
Ansicht von der Seite



Ansicht von vorne


1/16 (1,5)
15 3/8 (390)
1/16 (1,5)
5 (126,5)
3 15/16 (99)
1 3/4 (44,5)
2 1/8 (54,5)
9/16 (15)
SHARP
Notevision
3 1/8 (80)
¿ 67,5
9 1/2 (241,5)
3 15/16 (100,5)

Ansicht von unten


4 3/8 (111,75)
2 15/16 (75)
2 11/16 (67,5)
4 15/16 (124,5)
5/16 (7,5)
4 1/8 (104)
M4
M4
M4
M4

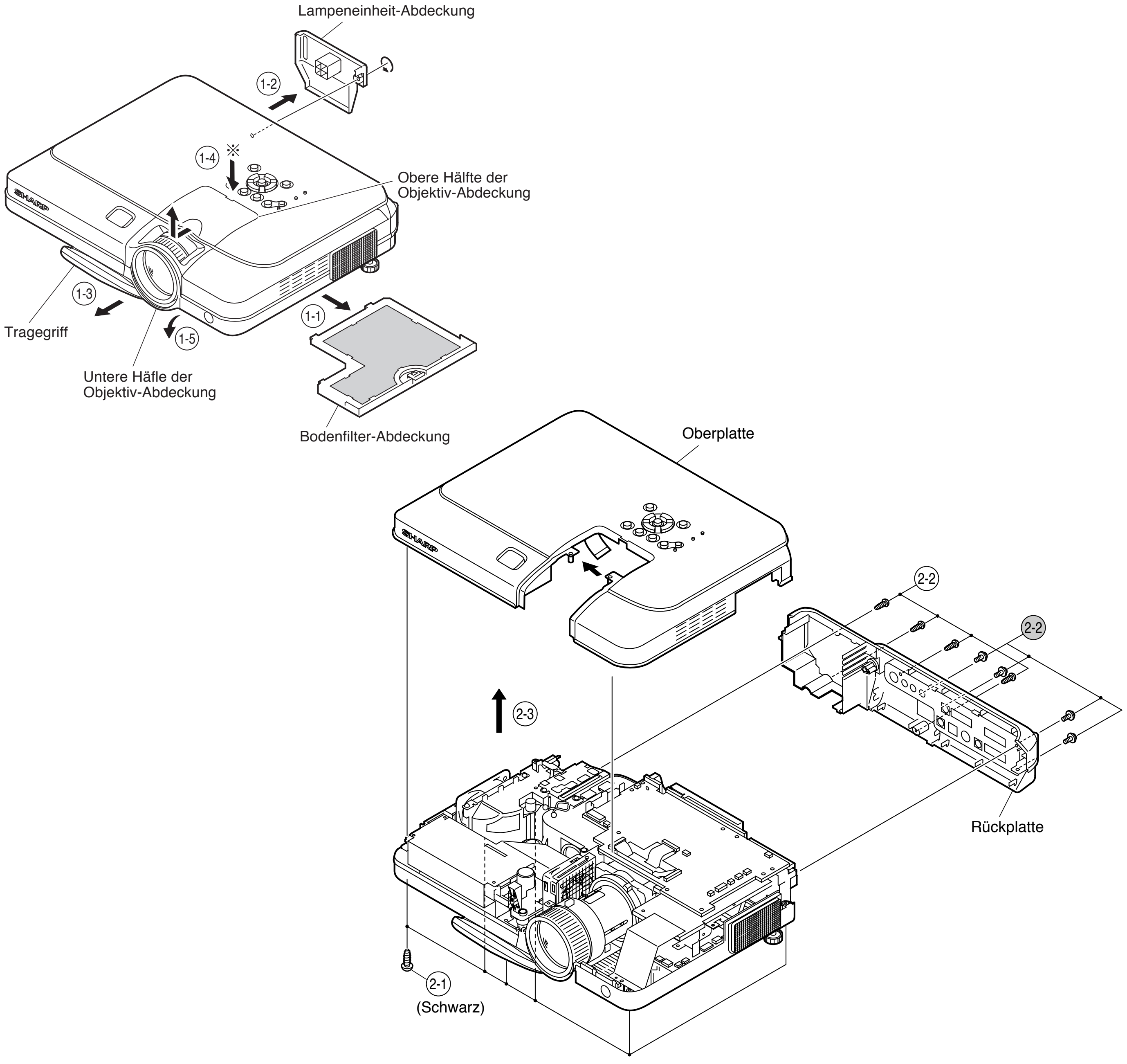
AUSBAU WICHTIGER TEILE

1. Ausbau von Bodenfilter-Abdeckung und Lampeneinheit-Abdeckung

1-1. Bodenfilter-Abdeckung abtrennen.
1-2. Die Sperrschraube von der Lampeneinheit-Abdeckung lösen und die Lampeneinheit-Abdeckung abnehmen.
1-3. Den Tragegriff herausziehen.
1-4. Die mit * markierte Stelle auf der oberen Hälfte der Objektiv-Abdeckung drücken, um die Klaue zu lösen, und dann die obere Objektiv-Abdeckung entfernen.
1-5. Die untere Hälfte der Objektiv-Abdeckung entfernen.

2. Oberplatte und Rückplatte entfernen

2-1. Sechs Sperrschrauben (schwarz) von der Oberplatte entfernen.
2-2. Die acht Sperrschrauben von der Rückplatte entfernen, und die Rückplatte abnehmen.
((2-2):XEBSF30P12000, (2-2):XBBSF30P10000)
2-3. Langsam die Oberplatte anheben und den Steckverbinder von der Schlüssel-Leiterplatte abtrennen. Eine andere Schraube entfernen, und die Oberplatte abnehmen.

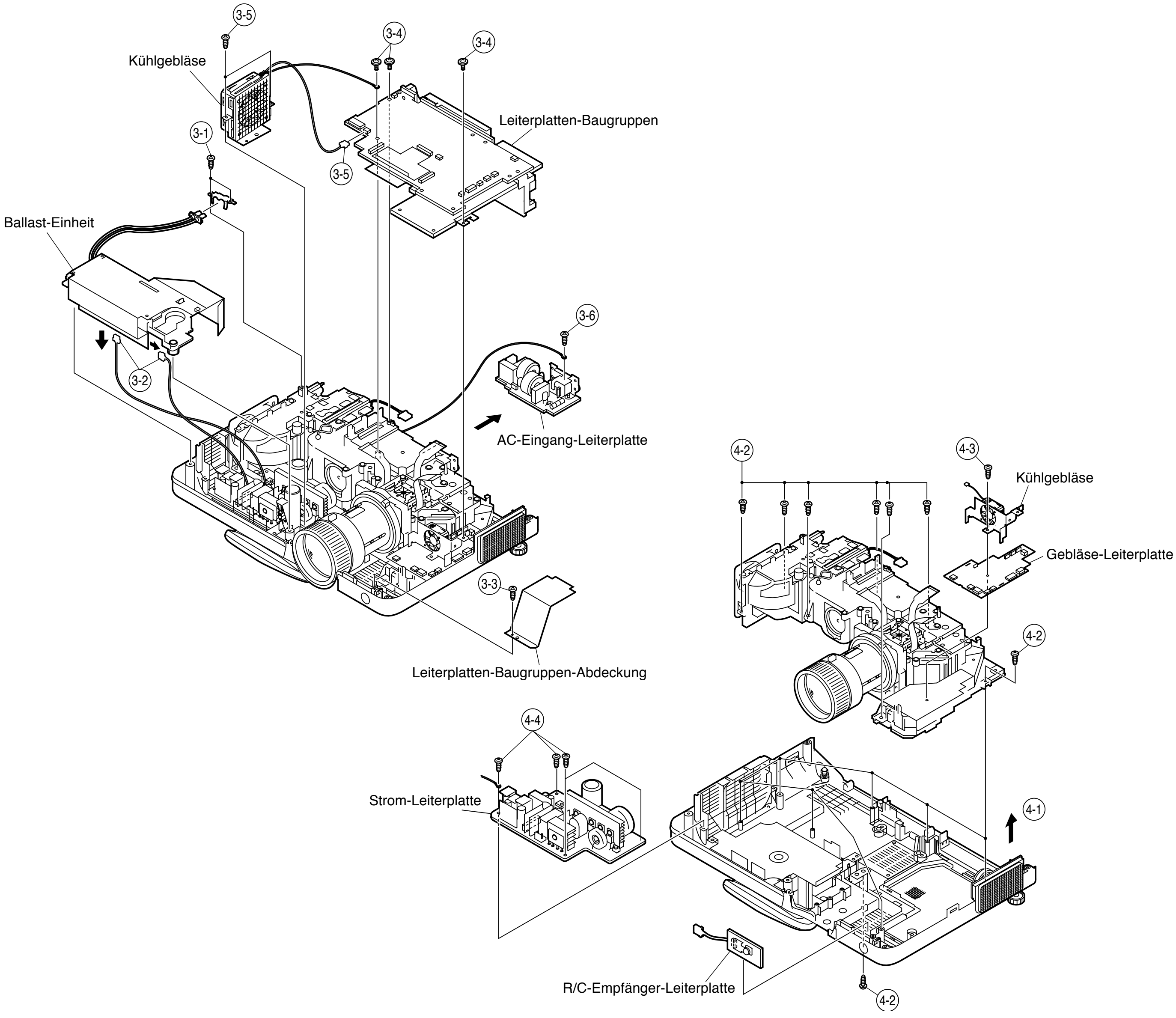

Lampeneinheit-Abdeckung
1-2
1-4
※
Obere Hälfte der Objektiv-Abdeckung
1-3
1-1
Tragegriff
1-5
Untere Häfle der Objektiv-Abdeckung
Bodenfilter-Abdeckung
Oberplatte
2-2
2-2
2-3
Rückplatte
2-1
(Schwarz)

3. Entfernen der Leiterplatten

3-1. Die zwei Sperrschrauben vom Lampenfassung-Winkel entfernen. Den Lampenfassung-Winkel abtrennen.
3-2. Die Ballast-Einheit anheben. Den Steckverbinder abtrennen, und die Ballast-Einheit abtrennen.
3-3. Die Sperrschraube von der Leiterplatten-Einheit-Abdeckung lösen und die Abdeckung abnehmen.
3-4. Die drei Sperrschrauben vom Kühlgebläse entfernen.
3-5. Die zwei Sperrschrauben vom Kühlgebläse entfernen, den Steckverbinder abtrennen, und das Kühlgebläse abnehmen.
3-6. Die Sperrschraube von der Masseklemme entfernen, den Steckverbinder abtrennen, und die AC-Eingang-Leiterplatte abnehmen.

4. Entfernen von Optik-Mechanismus, Gebläse-Leiterplatte, Strom-Leiterplatte und R/C-Empfänger-Leiterplatte.

4-1. Den Anschluss trennen, dann die Lautsprecher-Einheit abnehmen.
4-2. Die acht Sperrschrauben vom Optik-Mechanismus entfernen, und den Optik-Mechanismus herausnehmen.
4-3. Die Sperrschraube vom Kühlgebläse entfernen, den Steckverbinder abtrennen, und die Kühlgebläse-Leiterplatte abnehmen.
4-4. Die vier Sperrschrauben von der Strom-Leiterplatte entfernen, und die Strom-Leiterplatte abnehmen.
4-5. Die R/C-Empfänger-Leiterplatte herausnehmen.


3-5
3-4
3-4
Kühlgebläse
Leiterplatten-Baugruppen
3-1
3-5
Ballast-Einheit
3-6
3-2
AC-Eingang-Leiterplatte
4-2
4-3
Kühlgebläse
Gebläse-Leiterplatte
3-3
4-2
Leiterplatten-Baugruppen-Abdeckung
4-4
Strom-Leiterplatte
4-1
R/C-Empfänger-Leiterplatte
4-2

RÜCKSTELLUNG DES LAMPEN-TIMERS

Den Lampen-Timer nach dem Lampenaustausch zurückzustellen.

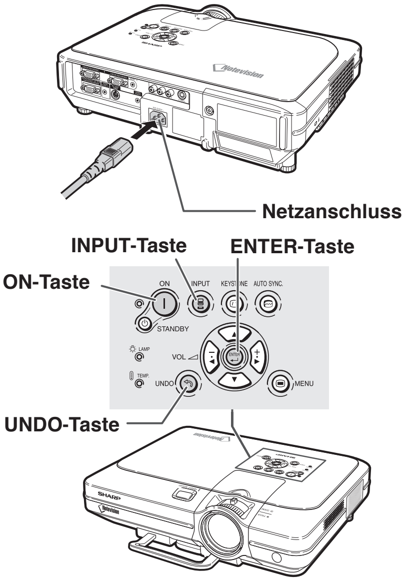
1 Das Netzkabel anschließen.

Das Netzkabel am Netzanschluss des Projektors anschließen.

2 Den Lampen-Timer zurückstellen.

Während INPUT ⊜, ⊜ und UNDO ↶ auf dem Projektor gleichzeitig gedrückt wird, ON Ⓘ auf dem Projektor drücken.

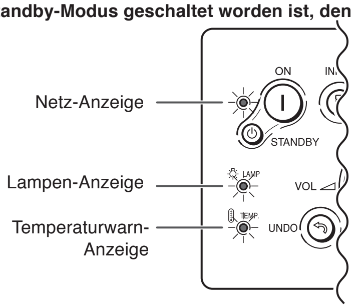
“LAMPE 100%” erscheint und zeigt damit an, dass der Lampen-Timer zurückgestellt ist.



Info

Stellen Sie sicher, dass Sie den Lampen-Timer nur nach dem Austausch der Lampe zurücksetzen. Wenn Sie den Lampen-Timer zurücksetzen und dieselbe Lampe weiterhin verwenden, könnte die Lampe beschädigt werden oder explodieren.

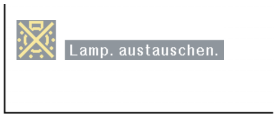
- **Die Warnleuchten auf dem Projektor weisen auf Fehlfunktionen im Projektor hin.**
- **Falls ein Problem auftritt, leuchtet entweder die Temperaturwarn-Anzeige oder die Lampen-Anzeige rot auf und der Projektor wird in den Standby-Modus geschaltet. Nachdem der Projektor in den Standby-Modus geschaltet worden ist, den unten aufgeführten Schritten folgen.**



Über die Temperaturwarn-Anzeige

Wenn der Projektor wegen Problemen bei der Aufstellung oder wegen Blockierens der Luftöffnungen zu warm wird, blinkt “TEMP.” in der unteren linken Ecke des Bildes. Wenn die Temperatur weiter ansteigt, schaltet sich die Lampe aus und die Temperaturwarn-Anzeige blinkt; der Kühlventilator dreht sich für weitere 90 Sekunden und anschließend wird der Projektor in den Standby-Modus geschaltet. Nachdem “TEMP.” angezeigt wird, unbedingt die folgenden Maßnahmen durchführen.

Über die Lampen-Anzeige

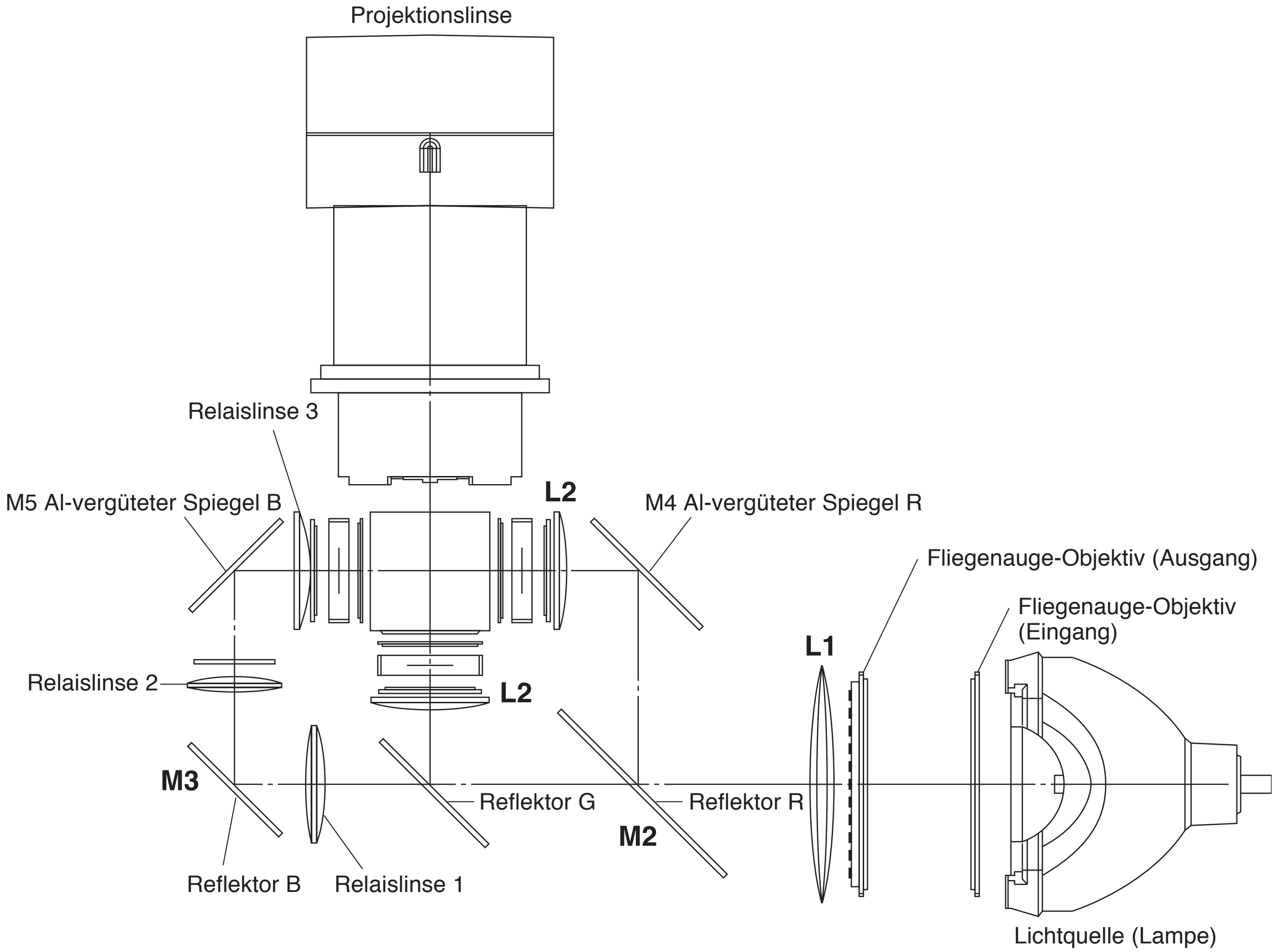


- Die restliche Betriebszeit der Lampe sinkt auf 0%, wenn sie ungefähr 3.000 Stunden im “Stromsparmodus” bei der Option “ON” verwendet wurde oder nach ungefähr 2.000 Stunden im “Stromsparmodus” bei der Option “OFF”.
- Wenn die restliche Betriebszeit der Lampe auf 5% oder weniger absinkt, wird “☒” auf dem Bildschirm in gelb eingeblendet. Wenn der Prozentsatz 0% wird, ändert “☒” auf “☒” (rot), worauf die Lampe automatisch ausgeschaltet und danach der Projektor automatisch in den Standby-Modus geschaltet wird. Gleichzeitig leuchtet die Lampen-Anzeige rot auf.
- Nachdem Sie zum vierten Mal versucht haben den Projektor einzuschalten, ohne dass die Lampe ausgetauscht wurde, kann der Projektor nicht mehr eingeschaltet werden.

Wartungsanzeige			Symptom	Problem	Abhilfe
	Normal	Unnormal			
Temperatur-warn-Anzeige	Aus	Rot ein/ Bereitschaft	Die Temperatur im Inneren des Gerätes ist zu hoch.	• Belüftungsöffnungen blockiert.	• Den Projektor an einem besser belüfteten Ort aufstellen.
				• Kühlventilator beschädigt • Interne Schaltkreise beschädigt • Luftfilter verstopft	• Den Projektor einem von Sharp autorisierten Händler für Projektoren oder dem Kundendienst zur Reparatur geben.
Lampen-Anzeige	Grün ein (Grün blinkt, wenn die Lampe aufgewärmt oder ausgeschaltet wird.)	Rot blinkt / Rot eingeschaltet	Die Lampe muss ausgetauscht werden	• Restliche Betriebszeit der Lampe sinkt auf 5% oder weniger ab.	• Ersetzen Sie die Lampe. • Den Projektor einem von Sharp autorisierten Händler für Projektoren oder dem Kundendienst zur Reparatur oder zum Lampenaustausch geben. • Lassen Sie beim Austausch der Lampe bitte die nötige Vorsicht walten.
		Rot ein/ Bereitschaft	Die Lampe leuchtet nicht.	• Ausgebrannte Lampe • Lampen-Schaltkreis beschädigt	
Netz-Anzeige	Grün eingeschaltet / Rot eingeschaltet	Rot blinkt	Die Netz-Anzeige blinkt bei eingeschaltetem Projektor rot auf.	• Die Filterabdeckung, die Abdeckung der Lampeneinheit oder die Objektivkappe ist geöffnet.	• Befestigen Sie die Abdeckungen sicher. • Sollte die Netzanzeige auch bei korrekt eingesetzter Filterabdeckung rot aufblinken, dann wenden Sie sich bitte an Ihren einen von Sharp autorisierten Händler für Projektoren oder anderen Kundendienste.

KURZBESCHREIBUNG DER OPTIK-EINHEIT

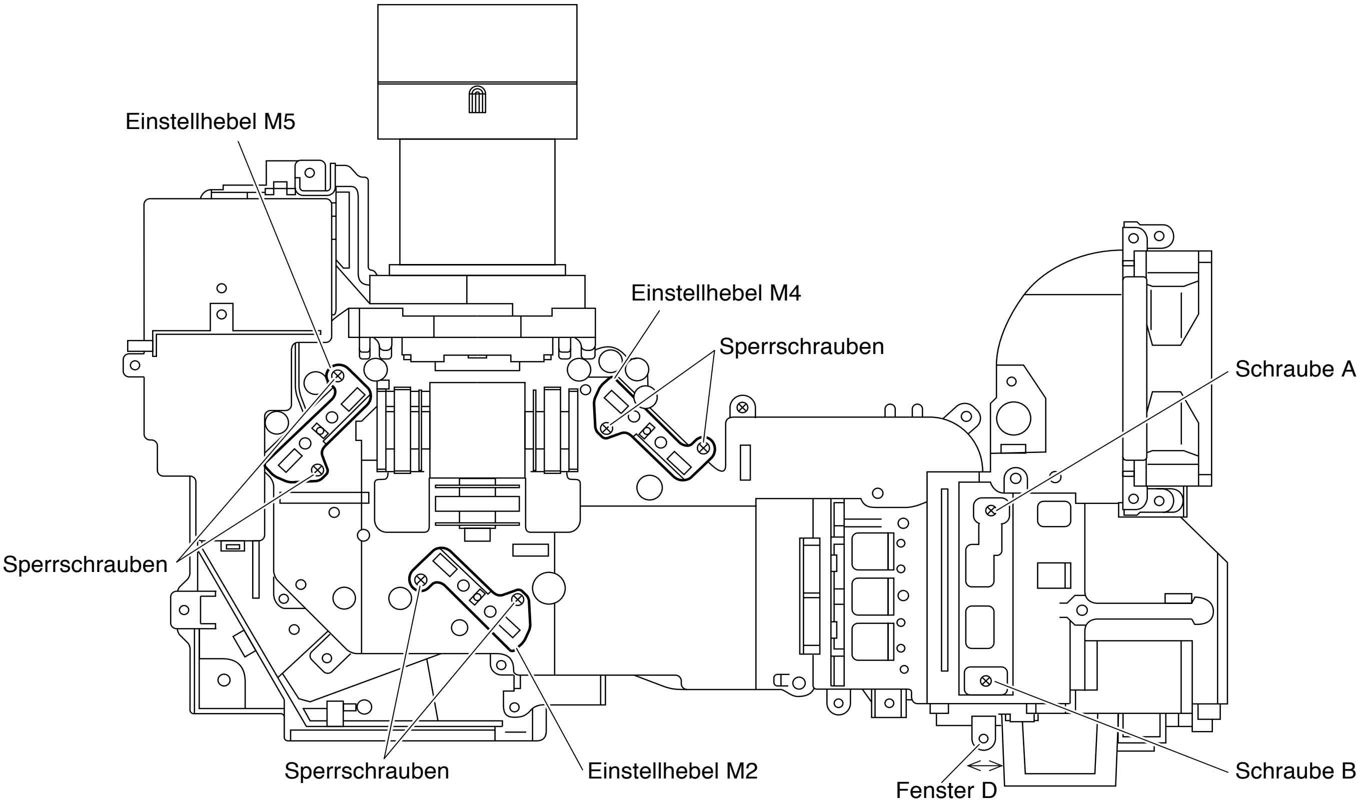
Layout für richtige Einrichtung der optischen Komponenten und Teile (Draufsicht)


Projektionslinse
Relaislinse 3
M5 Al-vergüteter Spiegel B
L2
M4 Al-vergüteter Spiegel R
Fliegenauge-Objektiv (Ausgang)
Fliegenauge-Objektiv (Eingang)
L1
Relaislinse 2
L2
M3
Reflektor G
Reflektor R
M2
Reflektor B
Relaislinse 1
Lichtquelle (Lampe)

Einstellen der Spiegel

Diese Einstellung ist erforderlich, wenn optische Teile des Optik-Mechanismus ersetzt wurden.

1. Die Flachkabel von allen LCD-Platten abtrennen.
2. Die Lampe einschalten.
3. Ein Weißlichtbild projizieren und prüfen, ob ein Farbstich in einer Richtung vorhanden ist. Falls vorhanden, die Einstellhebel M2, M4 und M5 verwenden.
4. Die Einstellhebel-Sperrschrauben lösen, Einstellungen vornehmen, und die Sperrschrauben festziehen.



Korrigieren von Farbabweichungen auf rein weißen Bildschirm beim Ersetzen der Lampe

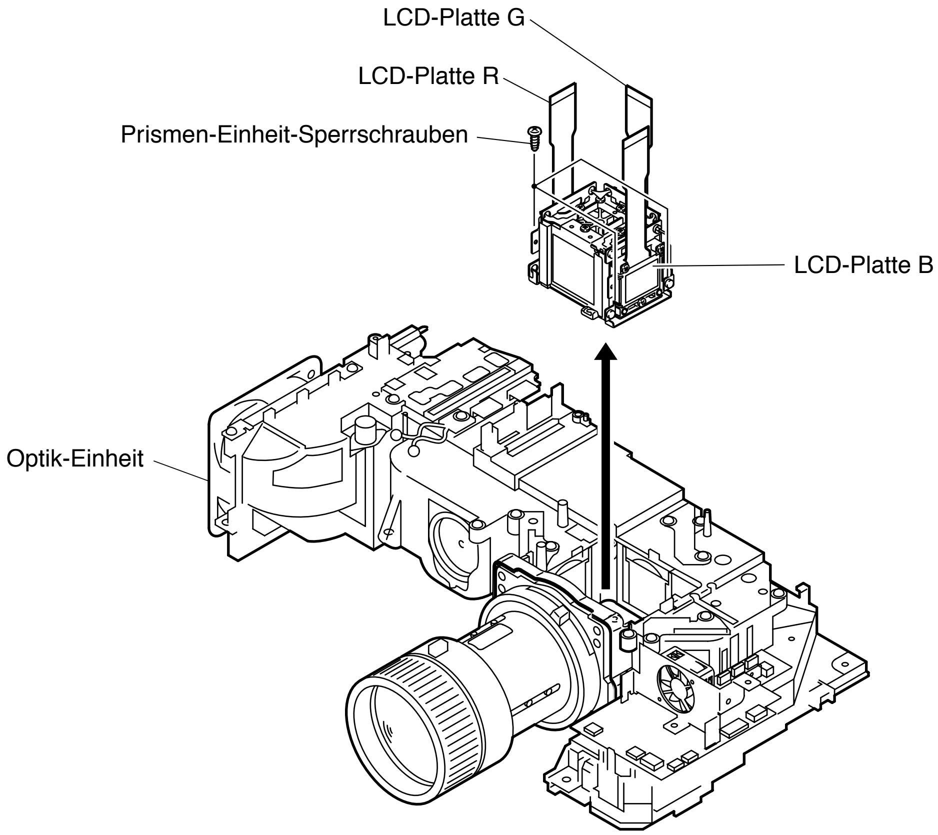
Falls Farbabweichungen rechts und links in einem rein weißen Bildschirm nach dem Ersetzen der Lampe vorgefunden werden, ist es erforderlich, die optische Achse der neuen Lampe nachzujustieren. Die folgenden Schritte ausführen.

1. Die Lampenabdeckung öffnen und die Schrauben A und B am Boden der Lampe lösen.
2. Mit einem Schraubenzieher o.ä. die U-förmige Rille im Fenster D in Pfeilrichtung bewegen.
3. Provisorisch die Schrauben A und B festziehen, die Lampenabdeckung schließen und den rein weißen Bildschirm auf Farbabweichungen prüfen.
4. Die obigen Schritte 1 und 2 wiederholen, bis keine Farbabweichungen vorliegen. Jetzt die Schrauben A und B festziehen.
5. Schließlich die Lampenabdeckung in der ursprünglichen Position befestigen.

Ersetzen der Prismen-Einheit

1. Die vier Sperrschrauben entfernen, und die Prismen-Einheit aus der Optik-Einheit nehmen.
2. Die Prismen-Einheit durch die neue ersetzen. Den obigen Schritt 1 in umgekehrter Reihenfolge ausführen.

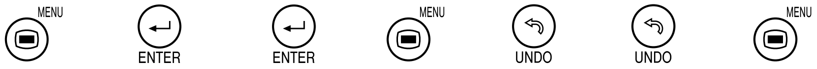
Hinweis: Auch wenn nur eine der LCD-Platten defekt ist, ist es erforderlich, die gesamte Prismen-Einheit zu ersetzen. Nicht nur die defekte LCD-Platte ersetzen. Unter den gegebenen Umständen bitte nicht den Displayteil des LCD berühren.


LCD-Platte G
LCD-Platte R
Prismen-Einheit-Sperrschrauben
LCD-Platte B
Optik-Einheit

Freigabe der Systemsperre

Das Gerät einschalten. Wenn die Systemsperre aktiviert wird, erscheint die System-Nullstellungsanzeige. Danach sind die folgenden Tasten in der vorgeschriebenen Reihenfolge zu betätigen.

MENU → ENTER → ENTER → MENU → UNDO → UNDO → MENU



Zuerst die MENU-Taste drücken, dann die verbleibenden Tasten innerhalb von 10 Sekunden betätigen.

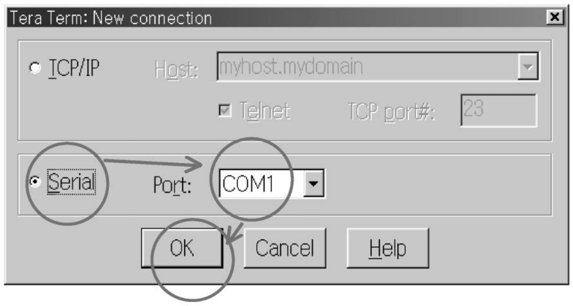
SOFTWARE-AKTUALISIERUNGSVERFAHREN

Vorbereitung

1. Installieren Sie Tera Term Pro (Kommunikationsprogramm) auf Ihrem PC.
   1.1 Laden Sie Tera Term Pro über das Internet herunter.
   http://hp.vector.co.jp/authors/VA002416/teraterm.html
   1.2 Dekomprimieren Sie "ttremp23.zip", dann lassen Sie "setup.exe" im Ordner laufen.
   1.3 Das Listenfeld "Language" erscheint im Dialogfeld.
   Wählen Sie "English" aus, dann klicken Sie "Continue".
   1.4 Die Meldung "NOTE: -" erscheint im Dialogfeld.
   Klicken Sie auf "Continue".
   1.5 Das Dialogfeld "Destination Path" erscheint.
   Klicken Sie auf "Continue".
   Es ist nicht erforderlich, den voreingestellten Zielpfad (c:\PROGRAM FILES\TTERMPRO) zu ändern.
   1.6 Das Dialogfeld "Complete" erscheint.
   Klicken Sie auf "OK".
2. Dekomprimieren Sie die Softwaredatei zur Aktualisierung in den entsprechenden Ordner.

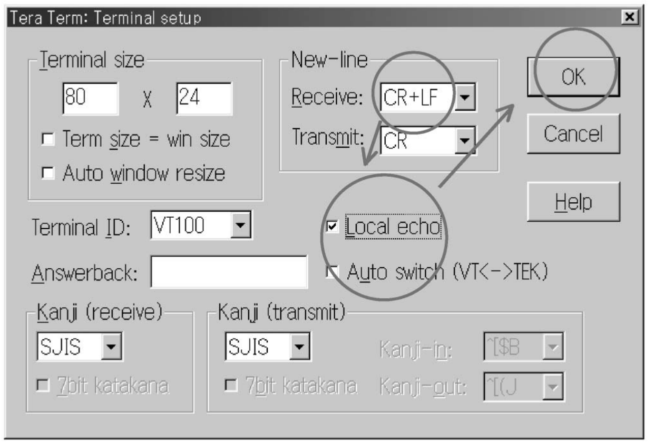
Laden der Software

1. Schalten Sie den Projektor ein.
2. Mit einem DIN-D-Sub RS-232C-Adapter und einem RS-232C seriellen Steuerkabel (gekreuzt) schließen Sie den RS-232C-IN-Anschluss des Projektors an den RS-232C-Anschluss Ihres Computers an.
3. Lassen Sie Tera Term Pro (Kommunikationsprogramm) laufen.
   3.1 Das Dialogfeld "New connection" erscheint. Wählen Sie "Serial" und dann den entsprechenden COM-Anschluss.
   Klicken Sie dann auf "OK"



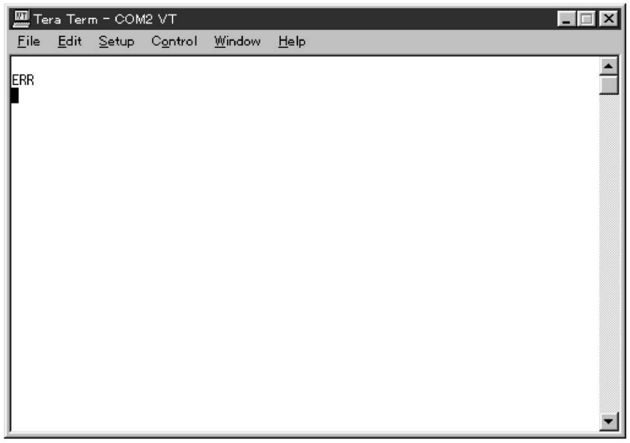
○ TCP/IP Host: myhost.mydomain
☑ Telnet TCP port#: 23
● Serial Port: COM1

   3.2 Unter Tera Term Pro wählen Sie "Setup" und dann "Terminal".
   Stellen Sie "Receive" auf "CR+LF", dann markieren Sie "Local echo".
   Klicken Sie dann auf "OK".



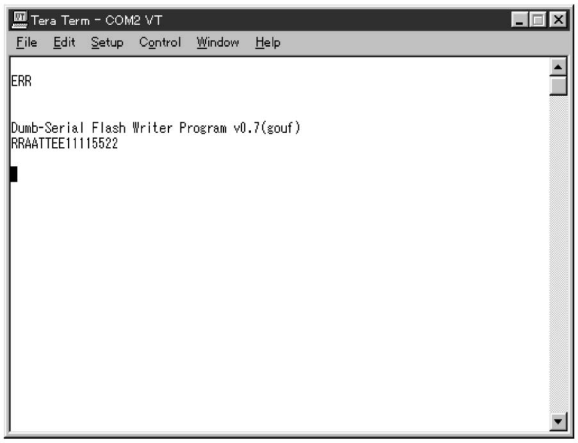
Terminal size: 80 x 24
☐ Term size = win size
☐ Auto window resize
New-line
Receive: CR+LF
Transmit: CR
Terminal ID: VT100
Answerback:
☑ Local echo
☐ Auto switch (VT<->TEK)
Kanji (receive): SJIS
☐ 7bit katakana
Kanji (transmit): SJIS
☐ 7bit katakana
Kanji-in: ^[$B
Kanji-out: ^[(J

3.3 Vergewissern Sie sich, dass beim Druck auf die ENTER-Taste der Projektor mit "ERR" antwortet.


Tera Term - COM2 VT
File
Edit
Setup
Control
Window
Help

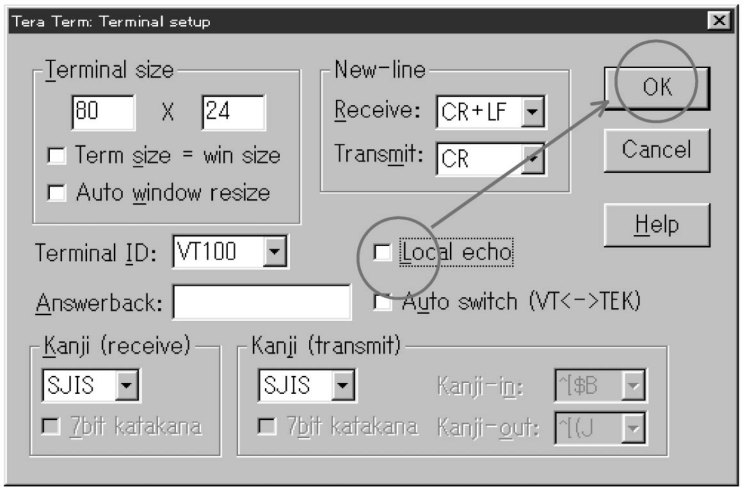
```
ERR
```

4. Rufen Sie den Prozessmodus auf.
   Drücken Sie die folgenden Tasten in dieser Reihenfolge.
   POWER ON / Adj up / Adj down / Adj up / Adj down / ENTER / ENTER / MENU
5. Wählen Sie "SPECIAL" auf dem Prozessmenü aus, dann drücken Sie die ENTER-Taste.
6. Wählen Sie "IPL2" auf dem Untermenü aus, dann drücken Sie die ENTER-Taste.
   Die Lampe erlischt, und der Projektor schaltet in den Software-Schreibmodus um.
7. Ziehen Sie das Netzkabel heraus und schließen Sie es wieder an.
   Hinweis: Sie müssen unbedingt das Netzkabel herausziehen und wieder anschließen.
8. Unter Tera Term Pro geben Sie "RATE1152" ein, dann drücken Sie die ENTER-Taste.


Tera Term - COM2 VT
File
Edit
Setup
Control
Window
Help

```
ERR


Dumb-Serial Flash Writer Program v0.7(gouf)
RRAATTEE11115522
```

9. Unter Tera Term Pro wählen Sie "Setup" und dann "Terminal".
   Entfernen Sie die Markierung von "Local echo", dann klicken Sie auf die OK-Taste.


Tera Term: Terminal setup
OK
Cancel
Help

Terminal size
80 X 24
☐ Term size = win size
☐ Auto window resize

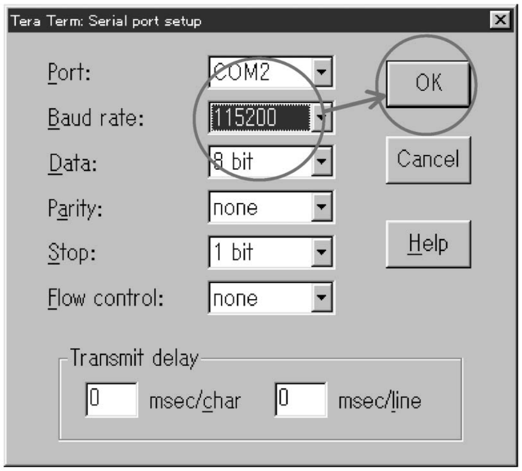
New-line
Receive: CR+LF
Transmit: CR

Terminal ID: VT100
Answerback:
☐ Local echo
☐ Auto switch (VT<->TEK)

Kanji (receive)
SJIS
☐ 7bit katakana

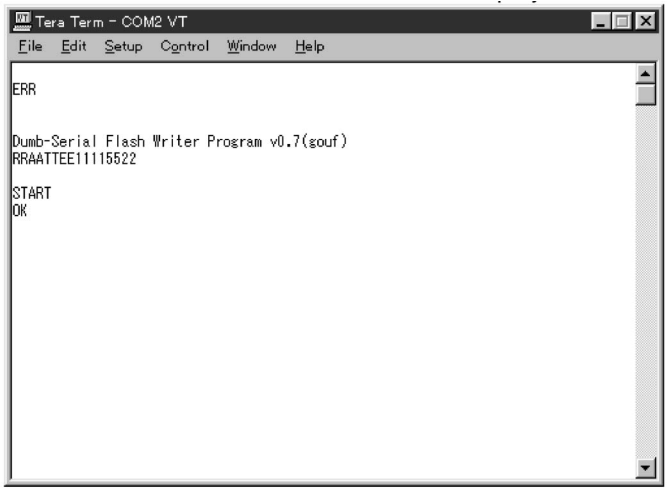
Kanji (transmit)
SJIS
☐ 7bit katakana
Kanji-in: ^[$B
Kanji-out: ^[(J

10. Unter Tera Term Pro wählen Sie "Setup" und dann "Serial port".
    Stellen Sie "Baud rate" auf "115200", dann klicken Sie auf die OK-Taste.


Tera Term: Serial port setup
OK
Cancel
Help

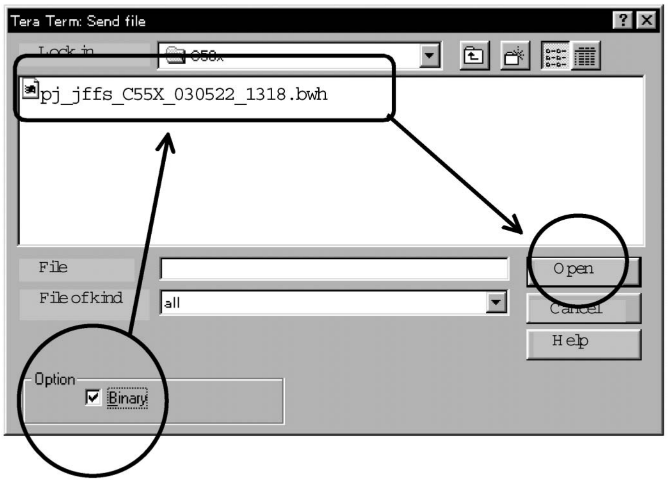
Port: COM2
Baud rate: 115200
Data: 8 bit
Parity: none
Stop: 1 bit
Flow control: none
Transmit delay
0 msec/char
0 msec/line

11. Unter Tera Term Pro geben Sie "START" ein, dann drücken Sie die ENTER-Taste.
    Vergewissern Sie sich, dass der Projektor mit "OK" antwortet und dass die Lampenanzeige grün blinkt.


Tera Term - COM2 VT
File
Edit
Setup
Control
Window
Help

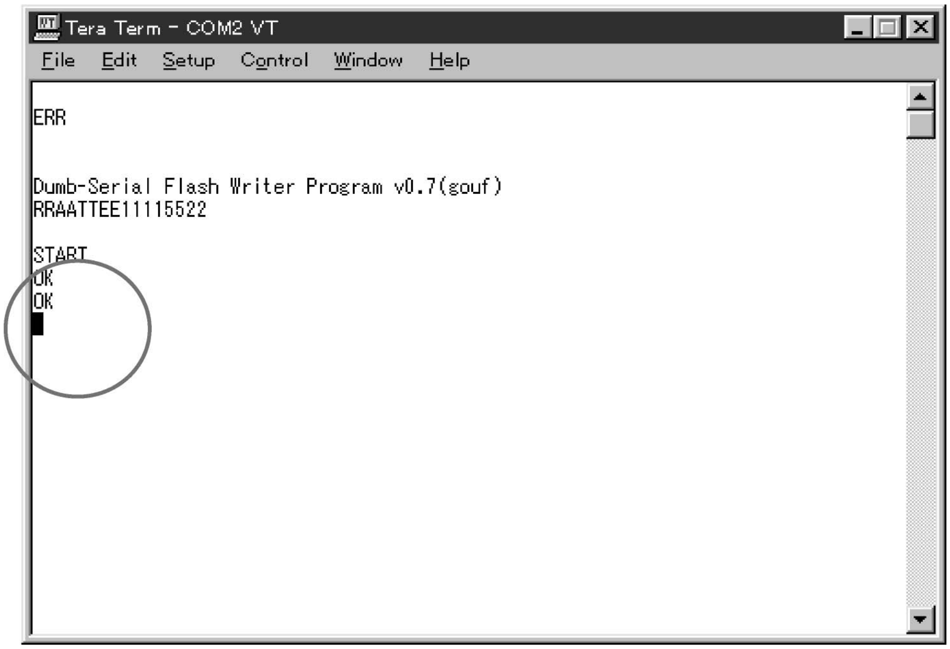
```
ERR


Dumb-Serial Flash Writer Program v0.7(gouf)
RRAATTEE11115522

START
OK
```

12. Unter Tera Term Pro wählen Sie "File" und dann "Send file".
    Markieren Sie "Binary" in der Option, dann wählen Sie die Softwaredatei zur Aktualisierung aus, die dekomprimiert wurden.
    Klicken Sie dann auf "open".


Tera Term: Send file
Look in
Open
Cancel
Help

pj_jffs_C55X_030522_1318.bwh
File
File of kind: all
Option
☑ Binary

13. Der Datentransfer startet, wenn die Einstellung korrekt ist. "Bytes transferred" wird im Dialogfeld gezählt.
14. Warten Sie für mehrere Minuten, bis "OK" zweimal angezeigt wird. Die Lampenanzeige leuchtet rot.
    Wenn ERR angezeigt wird, holen Sie ab Schritt 1 wieder.



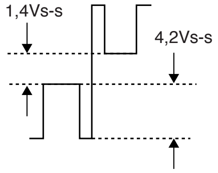
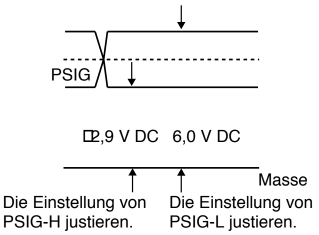
```
ERR


Dumb-Serial Flash Writer Program v0.7(gouf)
RRAATTEE11115522

START
OK
OK
```

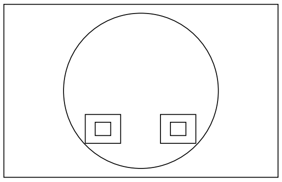
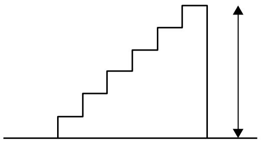
Vorsicht: Während der Datenübertragung dürfen Sie auf keinen Fall den Projektor ausschalten oder das Netzkabel herausziehen. Andernfalls kann der Projektor nicht eingeschaltet werden.
In diesem Fall stellen Sie nach den folgenden Schritte den Projektor wiederher.
(1) Entfernen Sie das obere und das hintere Gehäuse des Projektors.
(2) Stellen Sie den Schalter auf der PC-Platine auf "WRITE".
(3) Schließen Sie das Netzkabel an.
(4) Holen Sie ab Schritt 8 wieder.
(5) Nach dem Datentransfer stellen Sie den Schalter auf der PC-Platine auf "NORMAL".

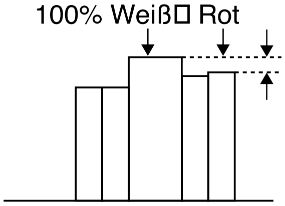
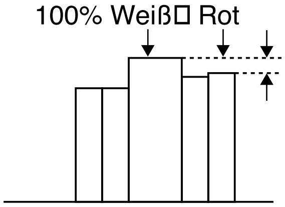
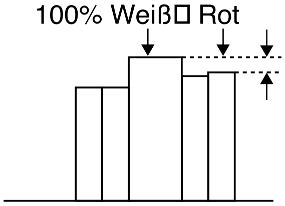
15. Ziehen Sie das Netzkabel heraus.
16. Schließen Sie das Netzkabel wieder an, dann rufen Sie den Prozessmodus auf.
17. Unter dem Prozessmodus wählen Sie "SPECIAL" aus.
    Vergewissern Sie sich, dass "PRG VER" der neuen Version entspricht.
18. Schalten Sie den Projektor aus.

Die Aktualisierung ist beendet.

ELEKTRISCHE EINSTELLUNG

Nr.	Einstellgegenstände	Einstellbedingungen	Einstellverfahren
1	**Initialisieren von EEPROM**	1. Die Betriebsstromversorgung einschalten (die Lampe leuchtet auf), und das System 15 Minuten lang warmlaufen lassen.	1. Die folgenden Einstellungen vornehmen. S2601 drücken, um auf Prozessmodus zu schalten, und S2 im SSS-Menü ausführen. Jetzt ist der EEPROM, ausgenommen für die PC I/F-einheit, initialisiert. S1 ausführen, oder die PC I/F-einheit selber wird initialisiert. (Die PC I/F-einheit ist werkseitig eingestellt.) Zum Einstellen der PC I/F-einheit siehe Abschnitt "Einstellen der PC I/F-einheit" auf der letzten Seite 79.
2	**Einstellung der RGB1-Schwarzpegel-Signalamplitude**	1. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT1 Gegenstand: G1-BLK, G1-GAIN Für die Farbe R die Gegenstände R1-BLK und R1-GAIN wählen. Für die Farbe B die Gegenstände B1-BLK und B1-GAIN wählen. 2. Sicherstellen, dass die Prozesseinstellung-Farbbalken angezeigt werden. 3. Für die Farbe G ein Oszilloskop an Stift (2) von P1301 anschließen. 4. Für die Farben R und B das Oszilloskop jeweils an Stift (1) von P1301 und Stift (3) von P1301 anschließen.	1. Den Gegenstand G1-GAIN wählen. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung die Einstellung so einstellen, dass die Signalamplitude 4,0 Vs-s ±0,05 V beträgt. 2. Den Gegenstand G1-BLK wählen. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung die Einstellung so einstellen, dass der Weiß-Weiß-Pegel 1,8 Vs-s ±0,1 V beträgt. 3. Gleichermaßen für die anderen Farben R und B verfahren. 
3	**Einstellung von PSIG**	1. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT2 Gegenstand: PSIG-H, PSIG-L Sicherstellen, dass die Einstellungen für PSIG-H und PSIG-L bei 145 bzw. 170 sind.	1. Die angezeigte PSIG-Wellenform erhalten. (Das XGA-Signal einspeisen.)  PSIG □2,9 V DC 6,0 V DC Masse Die Einstellung von PSIG-H justieren. Die Einstellung von PSIG-L justieren.
4	**Prüfen der Abtasten-Halte-Impulsphase**	1. Das XGA-Mode 75-Hz Schwarz-Signal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT3 Gegenstand: ENBXR-PH ENBXG-PH ENBXB-PH	1. Die Unschärfe der Buchstaben von OUTPUT 3 und das Geisterbild überprüfen. 2. Den Wert von ENBXR-PH erhöhen, bis das vordere Geisterbild auf der linken Seite der Buchstaben von OSD erscheint. 3. Wenn der Wert um 1 bis 2 Punkte reduziert wird, verschwindet das vordere Geisterbild. Den Wert beim Verschwinden des vorderen Geisterbildes um 1 reduzieren.

Nr.	Einstellgegenstände	Einstellbedingungen	Einstellverfahren
			(Das Geisterbild erscheint, wenn ENBXR-PH 11 beträgt; bei 10 verschwindet es. In diesem Fall den Wert auf 9 stellen.) 4. Das Grün und Blau auf die gleiche Weise einstellen.
5	**Einstellung der RGB-Gegenspannung**	1. Das Gegenspannung-Einstellsignal (XGA), wie von der Technischen Abteilung vorbereitet, einspeisen. 2. Die folgende Gruppe und die folgenden Gegestände wählen. Gruppe: OUTPUT3 Gegenstand: RC (R), GC (G), BC (B)	1. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung die Einstellungen einstellen, um Flimmern zu minimieren. 2. Wenn die Ergebnisse in der Mitte und an beiden Seiten auf dem Bildschirm inkonsistent sind, die Einstellungen nachjustieren, um das gleiche Ergebnis an beiden Seiten zu erhalten.
6	**Einstellung der RGB-Gradation-Reproduktion**	1. Das SMPTE-Mustersignal einspeisen (XGA). 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT1 Gegenstand: G1-BLK	1. Bestätigen, dass die 100% und 95% Weißgradation ebenso wie die 0% und 5% Schwarzgradation unterscheidbar sind. 2. Wenn die Weißgradation unterschiedlich aussieht, die Einstellung für G1-BLK fein justieren. 
7	**Einstellung des RGB-Weißabgleichs**	1. Das 32-Stufen-Grauskalasignal (XGA, 60 Hz) einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT1 Gegenstand: R1-BLK (R), B1-BLK (B)	1. Die Einstellungen R1-BLK and B1-BLK so justieren, dass sie die vorgeschriebene Gradationsbalance habe (entsprechend Standard-Monitor).
8	**Einstellung von Video-AGC**	1. Das NTSC 10-Stufen-Grauskalasignal einspeisen. 2. Die folgende Gruppe und und die folgenden Gegenstände wählen. Gruppe: VIDEO Gegenstand: AGC-ADJ 3. Das Oszilloskop zwischen TP4501 und TP4502 anschließen.	1. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung die Einstellung so einstellen, dass der Weiß-Schwarz-Pegel 0,72 Vs-s ±0,01 V beträgt. 
9	**Einstellung von Videohelligkeit/ Kontrast**	1. Das NTSC 100% Fenster-Mustersignal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: VIDEO Gegenstand: AUTO, PICTURE/BRIGHT	1. Das Signal einspeisen. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung den Gegenstand AUTO wählen. Die Einstellung wird automatisch vorgenommen. 2. Den Einstellwert von PICTURE/BRIGHT um 2 Punkte verringern. 3. Dann die Einstellung von PICTURE/BRIGHT justieren, bis das Signal bitfrei wird.

Nr.	Einstellgegenstände	Einstellbedingungen	Einstellverfahren
10	**Einstellung von Video-Farbton**	1. Das Teil-Farbbalken-Signal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: VIDEO1 Gegenstand: TINT	1. Den festen Wert bestätigen. Fester Wert: 128
11	**Einstellung von NTSC-Farbsättigung**	1. Das Teil-Farbbalken-Signal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: VIDEO Gegenstand: N-COLOR ∗ Das Oszilloskop an Pin (1) von P1301 anschließen.	1. Den festen Wert bestätigen. Fester Wert: 54 (Zur Bezugnahme: 0,4 Vs-s) 
12	**Einstellung der PAL-Farbsättigung**	1. Das PAL-Farbbalken-Signal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: VIDEO Gegenstand: P-COLOR ∗ Das Oszilloskop an Stift (1) von P1301 anschließen.	1. Den festen Wert bestätigen. Fester Wert: 51 (Zur Bezugnahme: 0,4 Vs-s) 
13	**Einstellung der SECAM-Farbsättigung**	1. Das SECAM-Farbbalken-Signal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: VIDEO Gegenstand: S-COLOR ∗ Das Oszilloskop an Stift (1) von P1301 anschließen.	1. Den festen Wert bestätigen. Fester Wert: 48 (Zur Bezugnahme: 0,6 Vs-s) 
14	**Einstellung des Video-Weißabgleichs**	1. Das NTSC-Testbildröhren-Mustersignal einspeisen. 2. Die folgende Gruppe und die folgenden Gegestnände wählen. Gruppe: VIDEO Gegenstand: V-R1-BLK, V-B1-BLK	1. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung die Einstellungen einstellen, die den gleichen Weißabgleich wie auf dem Standard-Monitor haben.
15	**Einstellung von COMPO CB-Offset und CR-Offset**	1. Das Y-0% Helligkeit, Cb und Cr 0% Weißmuster-Farbdifferenz-Signal (480I) einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: COMPO Gegenstand: AUTO	1. Das Signal einspeisen. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung den Gegenstand AUTO wählen. Die Einstellung wird automatisch vorgenommen.

Nr.	Einstellgegenstände	Einstellbedingungen	Einstellverfahren
16	**Einstellung der COMPO-Helligkeit**	1. Das 0%-Graumustersignal (480I) einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: COMPO Gegenstand: G-BRIGHT	1. So einstellen, daß der Bildschirm defekte Pixel zeigt.
17	**Einstellung von COMPO-Weißabgleich**	1. Das DTV-Testbildröhren-Mustersignal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: COMPO Gegenstand: CR-R1-BLK, C-B1-BLK	1. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung die Einstellungen einstellen, die den gleichen Weißabgleich wie auf dem Standard-Monitor haben.
18	**Automatische Korrektur von Farbabweichungen**	1. Die automatische Korrektur von Farbabweichungen kann mit dem automatischen Farbabweichungs-Korrektur-system durchgeführt werden.	1. Sich vergewissern, daß keine auffällige Farbungleichheit am Bildschirm zu sehen ist.
19	**Prüfen der Abtastung**	1. Das RGB 10-Schritt-Grauwertsignal (vertikale Inversion) eingeben. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: LINE Gegenstand: OPT-MECH	Die Abtastung der Abstufung auf der unteren Seite überprüfen. Wenn sie unbefriedigend ist, den Wert von OPT-MECH auf das Optimum stellen. (Die Umschaltung dauert 2 bis 3 Sekunden.) 0: Rot und Blau aufwärts 1: Rot und Blau abwärts 2: Anfangswert (Normal)
20	**Einstellung des sRGB-Weißabgleichs**	1. Das RGB 50%-Graumustersignal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT1 Gegenstand: S-R1-BLK, S-R1-GAIN, S-G1-BLK, S-G1-GAIN, S-B1-BLK, S-B1-GAIN 3. Den Helligkeitsmesser BM-5 und das Standard-Whiteboard bereit halten.	1. Sicherstellen, dass die Einstellung von S-R1-GAIN die gleiche ist wie die von R1-GAIN. Sicherstellen, dass die Einstellung von S-G1-GAIN die gleiche ist wie die von R1-GAIN. Sicherstellen, dass die Einstellung von S-B1-GAIN die gleiche ist wie die von R1-GAIN. Sicherstellen, dass die Einstellung von S-R1-BLK die gleiche ist wie die von R1-BLK. 2. Die Einstellungen von S-B1-BLK und S-G1-BLK so justieren, dass die Farbsättigung am Helligkeitsmesser wie folgt angezeigt wird. x: 313 ±7/1000 y: 350 ±10/1000

Warnungen vor der Korrektur der unregelmäßigen 3D-Farbe

Unter den gleichen Bedingungen müssen die folgende Messung bzw. Einstellung vorgenommen werden:
- in einem dunklen Raum (auf das Streulicht achten), und
- mit einem Bildschirm von diffuser Reflexion (Mattentyp).

Den Projektor unter den folgenden Bedingungen einstellen:
- Keine Energiesparfunktion (zum Stabilisieren der Lampe beim Messen)
- Deaktivieren der Suchautomatik (zum Fixieren auf INPUT1)
- INPUT1 RGB-Modus (zum Deaktivieren des Komponentenmodus von INPUT1, vorsichtshalber)

(1) Systemeinstellung ("Einstellung" - "Systemeinstellung")
  Systemoptionen
    Gleichzeitiges Schreiben des 3D-Korrekturwertes: Nein (nicht überprüft)
    Char-Übertragungsabstand: 0 ms
    Abstand der binären Übertragung: 2 ms
    Erstellung des Korrekturwertes durch Linear-Korrekturkoeffizient: Nein (nicht überprüft)
    Anzahl Bilderfassungen (beim Einstellen und Messen): zweimal
    Anzahl Bilderfassungen (beim Unterrichten): viermal

(2) Unterrichtung

Zum Unterrichten jedes Modell einmal messen. Wenn die optischen Charakteristiken des Gerätes beispielsweise beträchtlich geändert werden sollen, die Bedingungen entsprechend der Änderungen einstellen, um erneute Messungen durchzuführen.

Meßmethode des Korrekturkoeffizienten
(1) Den Standardsatz für C55 bestimmen. 1 Stück (n Stück)
(2) Den Standardsatz auf RGB-Modus INPUT1 stellen.
(3) Die Unterrichtung des Standardsatzes unter den folgenden Bedingungen vornehmen.

Einstellung der Bedingungen
Modellname: Den Modellnamen, die optischen Charakteristiken Var usw. erneut eingeben.
Auflösung: (nicht bezogen)
X-Richtung des Korrekturwertes: 29
Y-Richtung des Korrekturwertes: 22
Anzahl Korrekturbits: 8
Min. Einstellwert: 0
Mittlerer Einstellwert: 36
Max. Einstellwert: 73
Anzahl Unterrichtungen: 5
Abstand der Unterrichtung: 18
Helligkeitsänderungsrichtung durch Einstellwert: Helligkeit aufwärts mit Einstellwert + (überprüft)
Einstellpunkt: 3-D (überprüft)
  Abstufung 4 (überprüft)
  Abstufung 5 (überprüft)
  Abstufung 6 (überprüft)
  Die anderen Abstufungen werden nicht überprüft.

Einstellpunkt (Testbild-Anzeigeebene)
  Abstufung 7: 91%
  Abstufung 6: 78%
  Abstufung 5: 65%
  Abstufung 4: 52%

Abstufung 3:	40%
Abstufung 2:	25%
Abstufung 1:	13%
Abstufung 0:	0%
Einstellfarbe:	Weiß (überprüft)

(3) Farbabweichung-Korrektur (Einstellung)

Bedingungen Einrichtung

Korrekturverfahren-Einstellungen

Gradation 7:	2. Korrekturwert mit niedrigerer Gradation zu verwenden.
Gradation 6:	0. Korrektur mit Korrekturkoeffizient.
Gradation 5:	0. Korrektur mit Korrekturkoeffizient.
Gradation 4:	0. Korrektur mit Korrekturkoeffizient.
Gradation 3:	1. Korrekturwert mit höherer Gradation zu verwenden.
Gradation 2:	1. Korrekturwert mit höherer Gradation zu verwenden.
Gradation 1:	1. Anfangswert zu verwenden.
Gradation 0:	1. Anfangswert zu verwenden.

Für das betreffende Modell den in (2) eingegebenen Namen verwenden, um die Farbabweichung-Korrektur zu starten. Wenn das Gerät optische Eigenschaften hat, die sich von den Normaleigenschaften stark unterscheiden oder wenn es fehlende Farbabweichung-Linien aufweist, den Teaching-Vorgang für das betreffende Gerät ausführen. Seine spezifizierten Korrekturkoeffizienten bei der Einstellung verwenden.

<table>
<tr><th>Nr.</th><th>Einstellgegenstände</th><th>Einstellbedingungen</th><th>Einstellverfahren</th></tr>
<tr><td>21</td><td>Prüfen und Nachjustieren des Weißabgleichs</td><td>1. Die Einstellbedingungen für jeden Gegenstand sind wie folgt:
Für RGB-Eingang siehe Gegenstand 7.
Für Video-Eingang siehe Gegenstand 14.
Für COMPO-Eingang siehe Gegenstand 17.</td><td>1. Sicherstellen, dass der Weißabgleich so ist, wie beim Standardmonitor angegeben.
Nur Nachjustierung in der Reihenfolge RGB-Eingang, Video-Eingang und COMPO-Eingang verfahren.</td></tr>
<tr><td>22</td><td>Farbbezogene Leistung prüfen</td><td>1. Das Farbbalken-Signal empfangen.</td><td>1. L1 im Prozessmodus wählen.
Die Leistung von Farbe und Farbton prüfen.</td></tr>
<tr><td>23</td><td>Die bildbezogene Leistung prüfen</td><td>1. Das Testbildröhren-Mustersignal empfangen.</td><td>1. L2 im Prozessmodus wählen.
Bild, Helligkeit und Schärfe prüfen.</td></tr>
<tr><td>24</td><td>Die RGB-Leistung prüfen</td><td>1. Das RGB-Signal empfangen.</td><td>1. L4 im Prozessmodus wählen.
Bild, Helligkeit, Rot, Blau, Takt, Phase, H-POS und V-POS prüfen.</td></tr>
<tr><td>25</td><td>Die Ausschalt-Timer-Funktion prüfen</td><td></td><td>1. OFF im Prozessmodus wählen.
Sicherstellen, dass der Ausschalt-Timer mit 5-Minuten-Anzeige startet, 1 Minute für 1 Sekunde herunterzählt, und ausschalten, wenn 0 Minuten angezeigt wird.</td></tr>
<tr><td>26</td><td>Prüfen der Thermistor-Funktion</td><td>1. Den Thermistor mit einem Haarfön erhitzen.</td><td>1. Sicherstellen, dass die Temperatur angezeigt wird.</td></tr>
<tr><td>27</td><td>Automatische Sync-Funktion</td><td>1. Das Phasen-Prüfmustersignal empfangen.</td><td>1. Sicherstellen, dass Takt, Phase, H-POS und V-POS automatisch im Modus VGA/S-VGA/XGA eingestellt werden können.</td></tr>
<tr><td>28</td><td>Niveauprüfung des Längsstreifens</td><td>1. Das RGB-Signal empfangen. 10-Schritt-Grauskala</td><td>1. Der Längsstreifen darf nicht sein Grenzmuster überschreiten.
Anderenfalls PSIG-L im Schritt 3 einstellen.
Es muß jedoch im Bereich von 190 bis 200 sein.</td></tr>
<tr><td>29</td><td>Werkseitige Einstellungen</td><td></td><td>1. Die folgenden Einstellungen vornehmen.
<table>
<tr><th>Ziel</th><th>Prozess-einstellung</th><th>Fernbedienung-Einstellungen</th></tr>
<tr><td>Nordamerika Modelle</td><td>S4</td><td>Werkseitige Einstellung 4</td></tr>
<tr><td>Andere Modelle</td><td>S3</td><td>Werkseitige Einstellung 3</td></tr>
</table></td></tr>
</table>

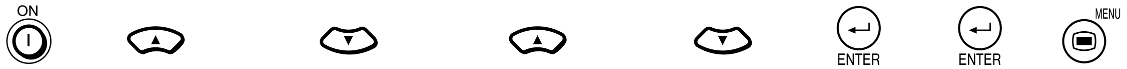
Einstellung der PC-Schnittstelleneinheit

1. Initialisieren von EEPROM
    1) SW2801 drücken, um auf Prozessmodus zu schalten.
    2) S1 im SSS-Menü ausführen. (Mit S1 wird die Platine alleine initialisiert. Nicht S2 ausführen, oder alle Justierdaten, ausgenommen die für PC-Schnittstelle, werden initialisiert.
    3) Sicherstellen, dass die Programmversion "VER. XXX" im Menü SPECIAL die neueste ist.
2. Pegel-Einstellungen
    2-1. Einstellen des Oszilloskops
    Den Oszilloskop-Bereich auf DC1V/div und S*µ* S/div stellen.
    2-2. Anschließen der PC-Schnittstelle
    1) Das vorgeschriebene Kabel zwischen ANALOG OUTPUT (am Signalgenerator) und der Buchse DSUB (INPUT1 am Projektor) anschließen.
    2) Den Eingangswähler des Projektors auf INPUT1 stellen.
    3) Den Signalgenerator auf XGA-Modus stellen (1,024x768, 60 Hz, 32-Stufen-Gradation). Außerdem die Ausgangsamplitude (zwischen schwarz und weiß) auf 700 mVs-s einstellen (terminiert mit 75 Ohm Impedanz).
    4) Netzstrom einschalten.
    2-3. Einstellgegenstände
    1) Einstellung von RGB Treiber/Verstärkung
        (1) Das Fenster-Mustersignal einspeisen, das 100% und 0% Signale hat.
        (2) AUTO unter den A/D-Gegenständen im Prozessmodus wählen, und die Einstellungen vornehmen.

Eingabe des Einstellprozeßmodus

Es gibt die folgenden zwei Verfahren.

- Den SW2601 an der Ausgangs-Einheit drücken.
- Die folgenden Tasten in der vorgeschriebenen Reihenfolge betätigen.
  Netz→Einstell oben→Einstell unten→Einstell oben→Einstell unten→ENTER→ENTER→MENU



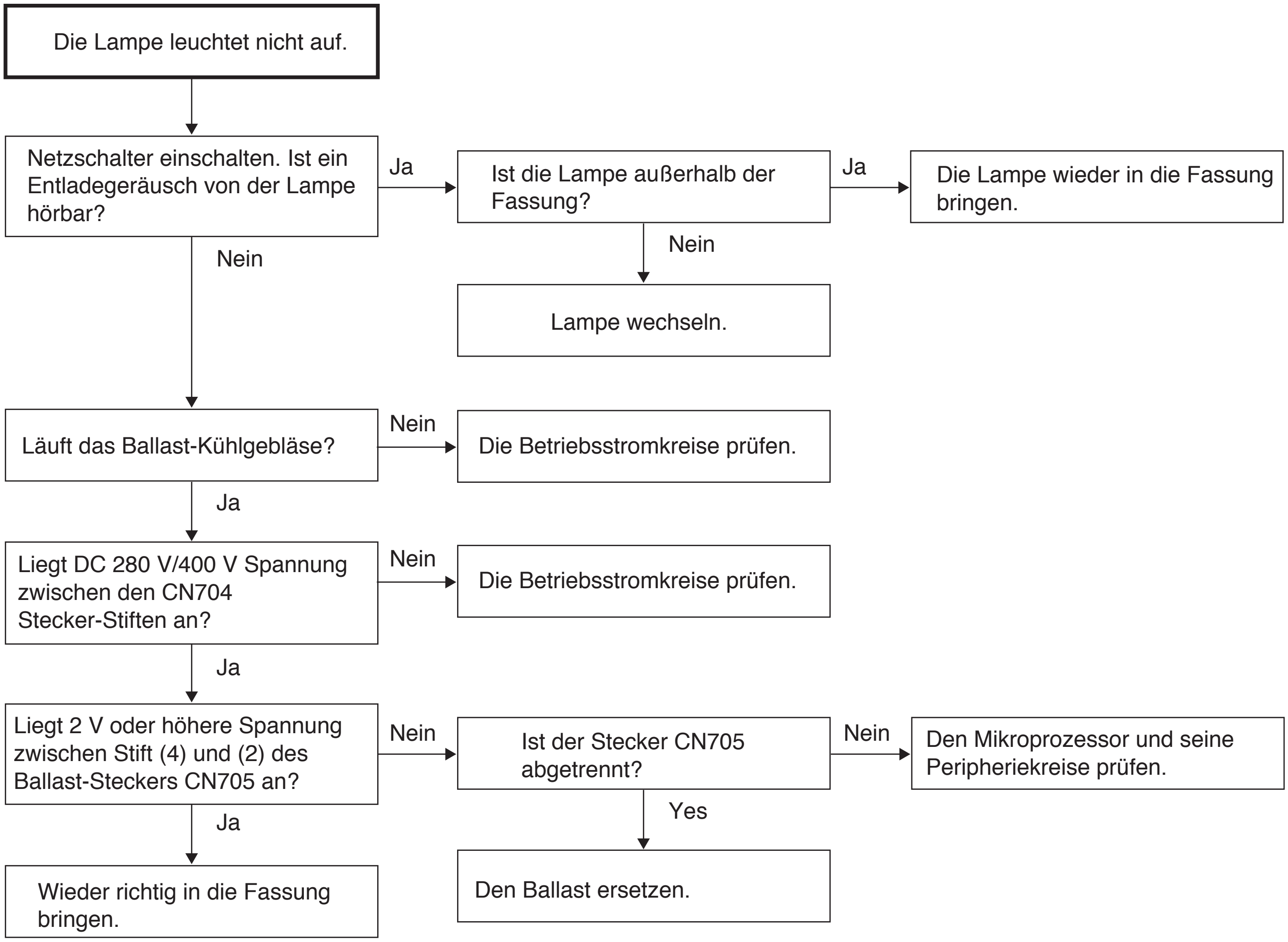
Einstellmodus-Prozessmenü

Gruppe	Untergruppe	Gegenstand
Adjust PC Image	A/D	R-BRIGHT G-BRIGHT B-BRIGHT R-D B-D G-D AD-AUTO
Adjust RGB Image	OUTPUT1	R1-BLK R1-GAIN G1-BLK G1-GAIN B1-BLK B1-GAIN S-R1-BLK S-R1-GAIN S-G1-BLK S-G1-GAIN S-B1-BLK S-B1-GAIN
Adjust Panel Drive	OUTPUT2	PSIG-H PSIG-L LC-SW LC-R-SIG LC-G-SIG LC-B-SIG LC-R-LV LC-G-LV LC-B-LV
Adjust Commn Voltage	OUTPUT3	RC GC BC RCK-PHASE GCK-PHASE BCK-PHASE ENBX-WIDTH ENBXR-PH ENBXG-PH ENBXB-PH DGC-SW DGCJ-R DGCJ-G DGCJ-B

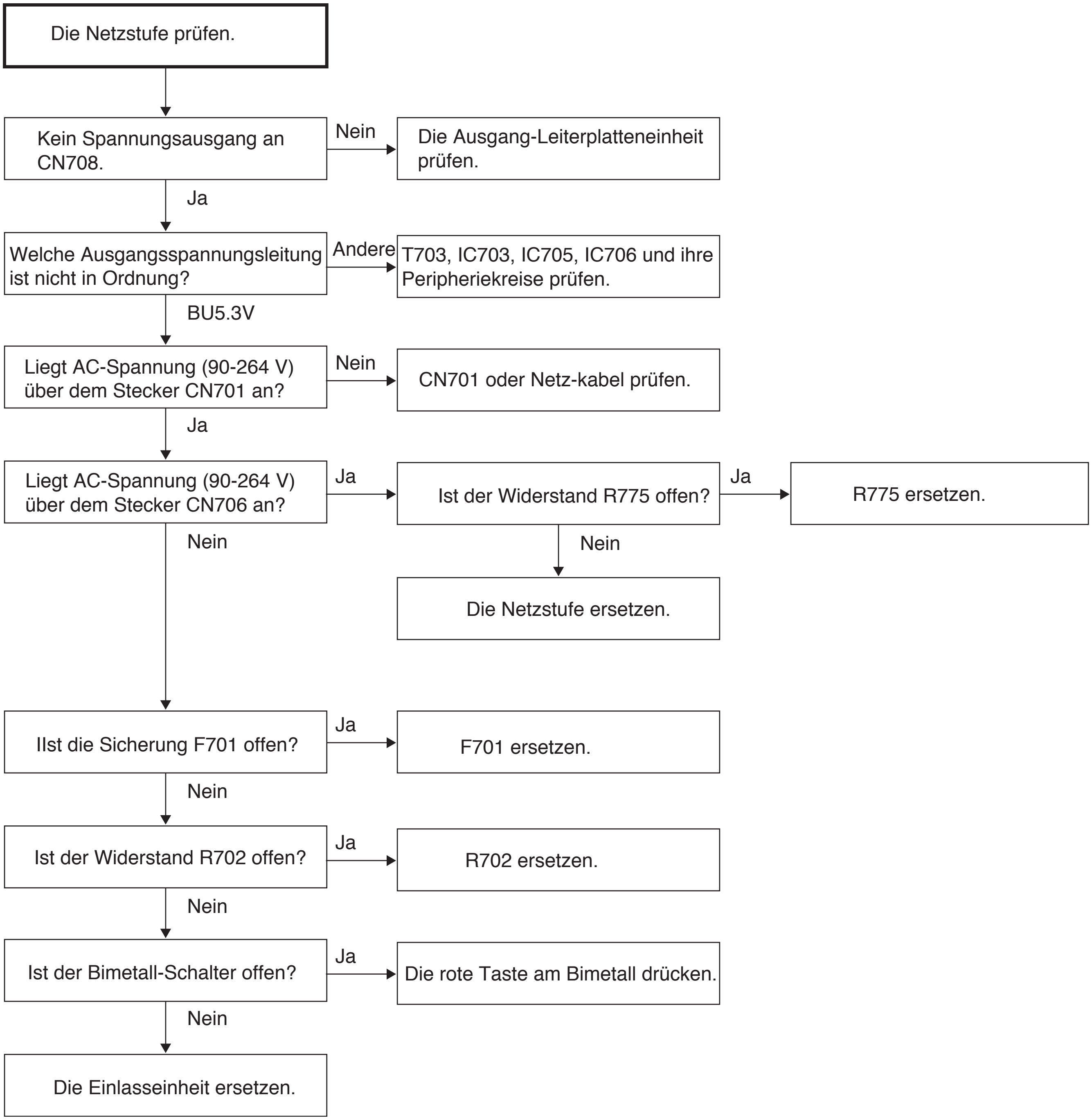
Gruppe	Untergruppe	Gegenstand	
Adjust Video Image	VIDEO	PICTURE	
		BRIGHT	
		TINT	
		N-COLOR	
		P-COLOR	
		S-COLOR	
		AGC-CNT	
		AGC-ADJ	
		STAT-GAIN	
		V-R1-BLK	
		V-B1-BLK	
		VIDEO-AUTO	
Adjust Component Image	COMP	G-BRIGHT	
		CB-OFFSET	
		CR-OFFSET	
		C-R1-BLK	
		C-B1-BLK	
		COMPO-AUTO	
Process Mode	LINE	L1	
		L2	
		L4	
		OFF	
		TEMP OFF	
		SENSOR CHECK	
		TG-GAMMA	
Initial Setting	SSS	TIME	
		S1	
		S2	
		S3	
		S4	
		S5	
		S6	
Sample Pattern	PATTERN	RGB	
		RGB[50]	
		CROSS	
		FOCUS	
		STEP	
		COLOR	
		CHR	
Adjust CVIC	CVIC	PROGRESSIVE	MODE
			IP
			MDSW
			PTGSW
			C-TESTSW
			C-ILG-LY
			C-MOD-LY
			C-VE-LV
		ENHANCE-VIDE	ENH-PLUS
			ENH-MINUS
			DFC
		ENHANCE-HDTV	ENH-PLUS
			ENH-MINUS
			DFC
		ENHANCE-RGB	MODE
			ENH-GAIN
			ENH-PLUS

Gruppe	Untergruppe	Gegenstand	
Adjust CVIC	CVIC	SCREEN	CUBIC-RGB
			CUBIC-VIDEO
		NR	YNR-LEVEL
			YNR-K
			YNR-FSEL
			YNR-FILSW
			CNR-LEVEL
			CNR-K
			CNR-FSEL
			CNR-FILSW
		PTG	TBL-NO
			TESTSW
			ENABLE
			MV-F
			VDDYP
		CMS-HUE	CMS-HUE-R
			CMS-HUE-Y
			CMS-HUE-G
			CMS-HUE-C
			CMS-HUE-B
			CMS-HUE-M
		CMS-SAT	CMS-SAT-R
			CMS-SAT-Y
			CMS-SAT-G
			CMS-SAT-C
			CMS-SAT-B
			CMS-SAT-M
		CMS-VAL	CMS-VAL-R
			CMS-VAL-Y
			CMS-VAL-G
			CMS-VAL-C
			CMS-VAL-B
			CMS-VAL-M
		DEGAMMA	TABLE
Adust Digital Convergence	CONVER	CC	
		R-CNV-H	
		G-CNV-H	
		B-CNV-H	
		R-CNV-V	
		G-CNV-V	
		B-CNV-V	
Vesion Cehck etc	SPECIAL	IPL	
		IPL2	
		E2PROM	
		ADR RD/WR	

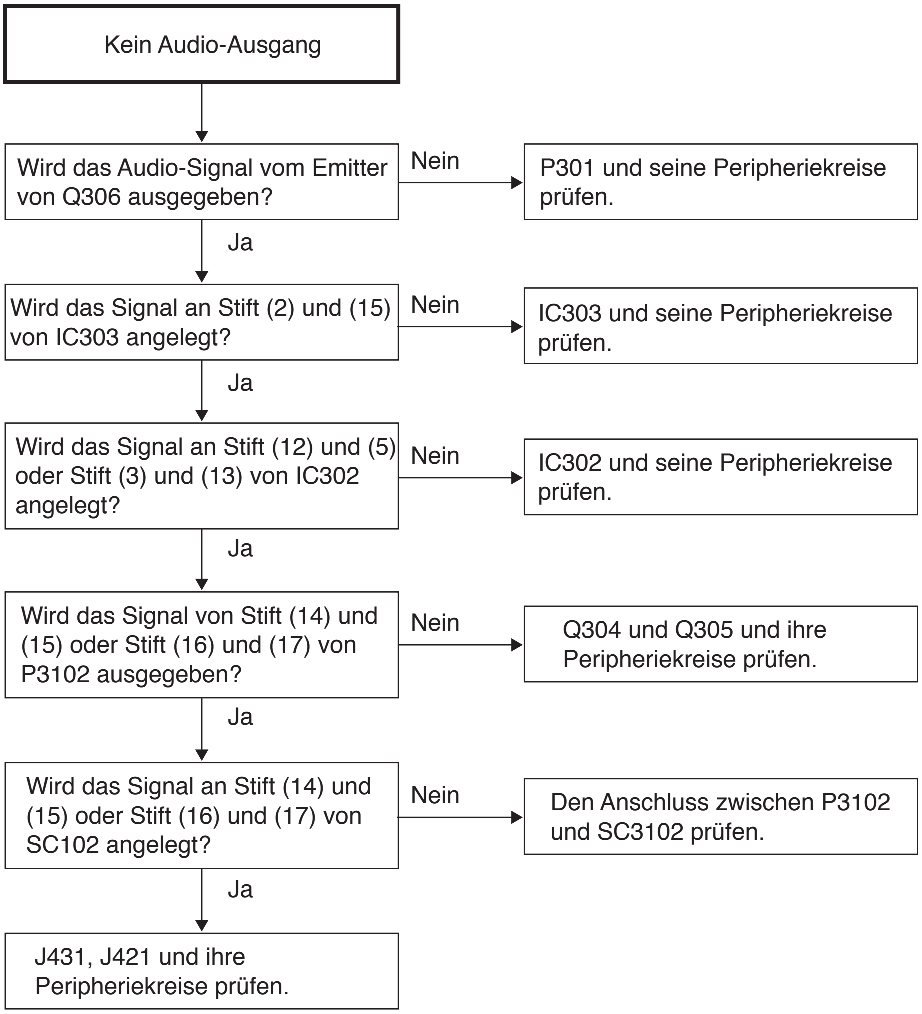
FEHLERSUCHTABELLE


Die Lampe leuchtet nicht auf.
Netzschalter einschalten. Ist ein Entladegeräusch von der Lampe hörbar?
Ja
Ist die Lampe außerhalb der Fassung?
Ja
Die Lampe wieder in die Fassung bringen.
Nein
Lampe wechseln.
Nein
Läuft das Ballast-Kühlgebläse?
Nein
Die Betriebsstromkreise prüfen.
Ja
Liegt DC 280 V/400 V Spannung zwischen den CN704 Stecker-Stiften an?
Nein
Die Betriebsstromkreise prüfen.
Ja
Liegt 2 V oder höhere Spannung zwischen Stift (4) und (2) des Ballast-Steckers CN705 an?
Nein
Ist der Stecker CN705 abgetrennt?
Nein
Den Mikroprozessor und seine Peripheriekreise prüfen.
Yes
Den Ballast ersetzen.
Ja
Wieder richtig in die Fassung bringen.

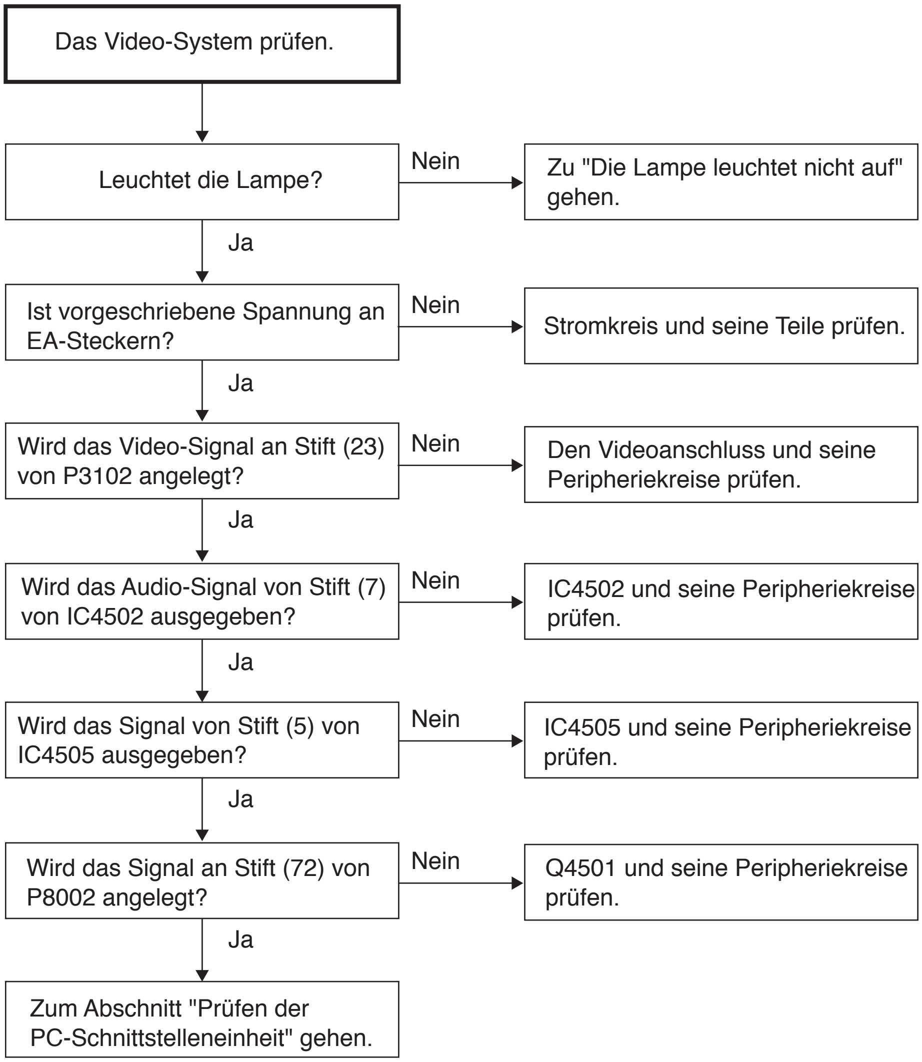
FEHLERSUCHTABELLE (Fortsetzung)


Die Netzstufe prüfen.
Kein Spannungsausgang an CN708.
Nein
Die Ausgang-Leiterplatteneinheit prüfen.
Ja
Welche Ausgangsspannungsleitung ist nicht in Ordnung?
Andere
T703, IC703, IC705, IC706 und ihre Peripheriekreise prüfen.
BU5.3V
Liegt AC-Spannung (90-264 V) über dem Stecker CN701 an?
Nein
CN701 oder Netz-kabel prüfen.
Ja
Liegt AC-Spannung (90-264 V) über dem Stecker CN706 an?
Ja
Ist der Widerstand R775 offen?
Ja
R775 ersetzen.
Nein
Die Netzstufe ersetzen.
Nein
IIst die Sicherung F701 offen?
Ja
F701 ersetzen.
Nein
Ist der Widerstand R702 offen?
Ja
R702 ersetzen.
Nein
Ist der Bimetall-Schalter offen?
Ja
Die rote Taste am Bimetall drücken.
Nein
Die Einlasseinheit ersetzen.

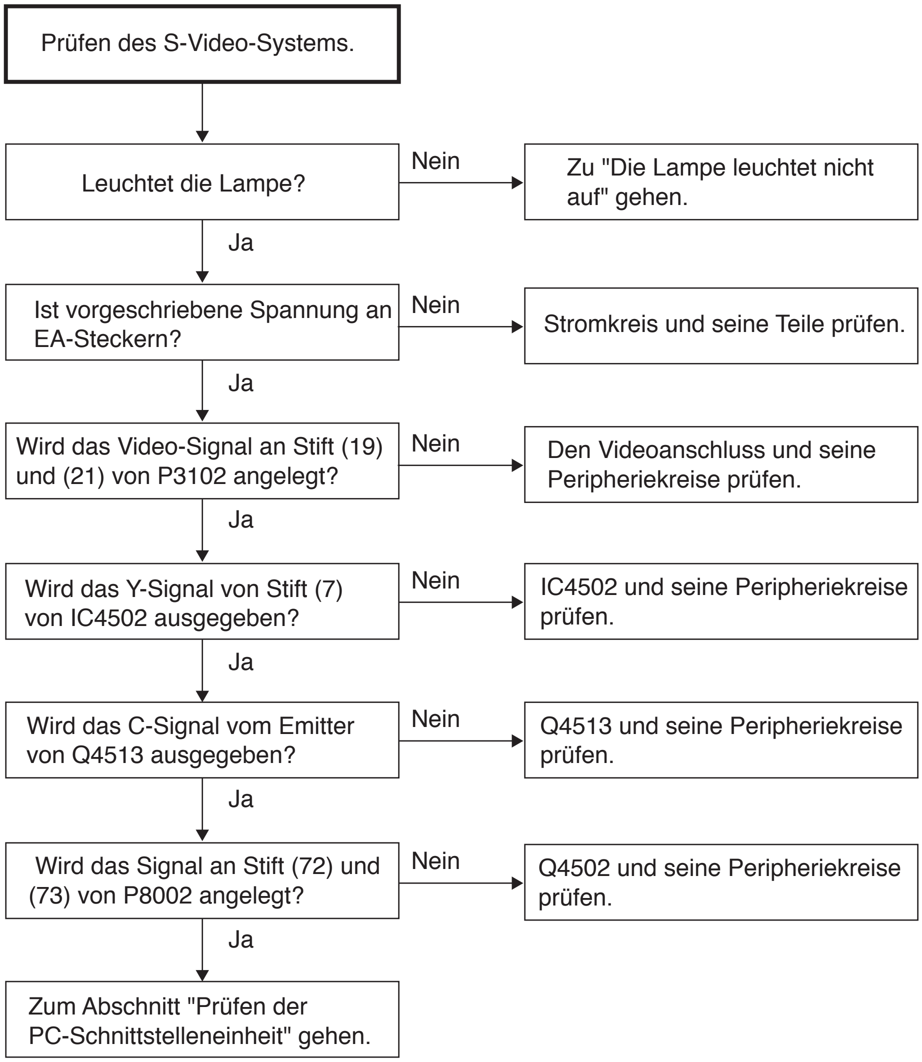
FEHLERSUCHTABELLE (Fortsetzung)


Kein Audio-Ausgang
Wird das Audio-Signal vom Emitter von Q306 ausgegeben?
Nein
P301 und seine Peripheriekreise prüfen.
Ja
Wird das Signal an Stift (2) und (15) von IC303 angelegt?
Nein
IC303 und seine Peripheriekreise prüfen.
Ja
Wird das Signal an Stift (12) und (5) oder Stift (3) und (13) von IC302 angelegt?
Nein
IC302 und seine Peripheriekreise prüfen.
Ja
Wird das Signal von Stift (14) und (15) oder Stift (16) und (17) von P3102 ausgegeben?
Nein
Q304 und Q305 und ihre Peripheriekreise prüfen.
Ja
Wird das Signal an Stift (14) und (15) oder Stift (16) und (17) von SC102 angelegt?
Nein
Den Anschluss zwischen P3102 und SC3102 prüfen.
Ja
J431, J421 und ihre Peripheriekreise prüfen.

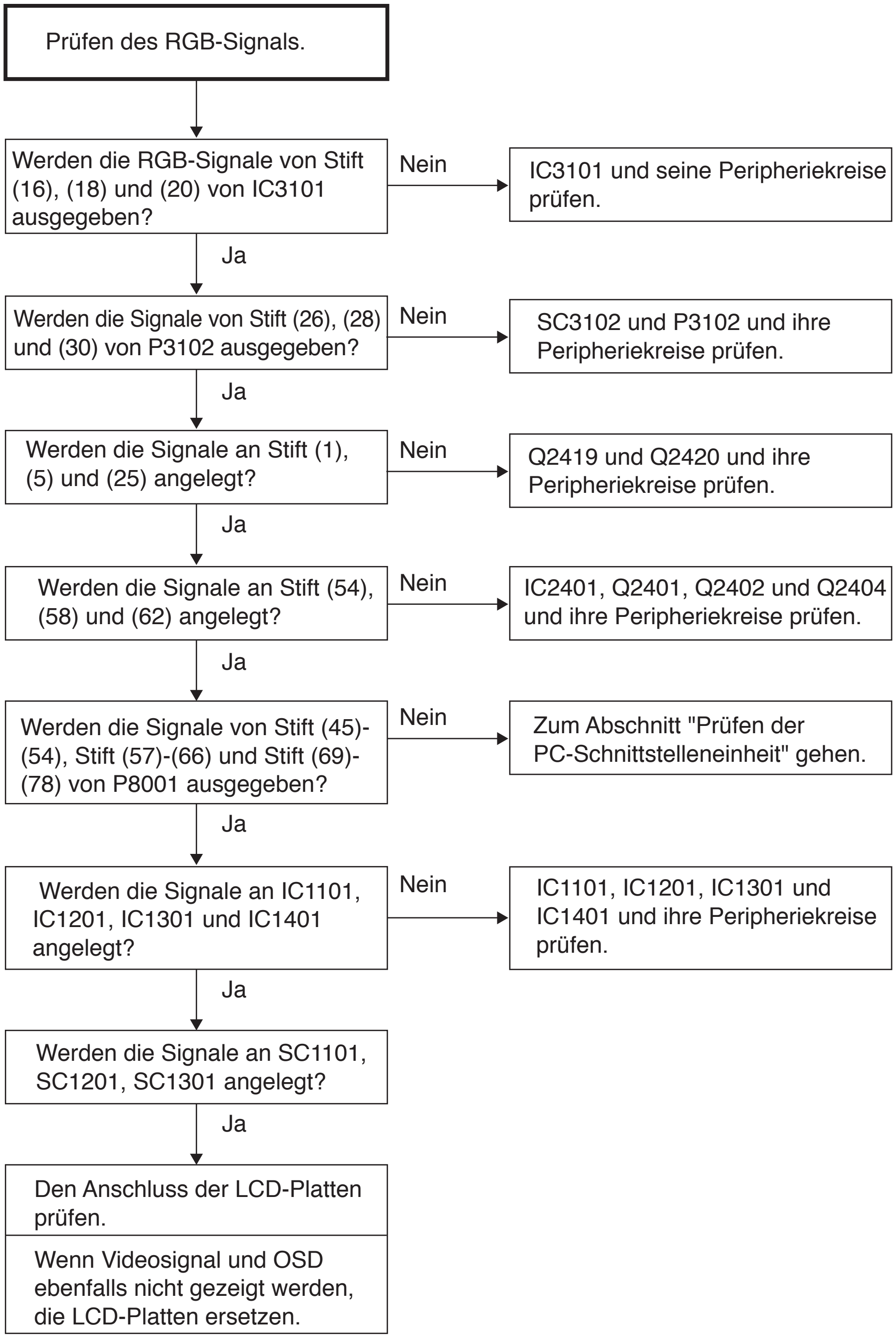
FEHLERSUCHTABELLE (Fortsetzung)


Das Video-System prüfen.
Leuchtet die Lampe?
Nein
Zu "Die Lampe leuchtet nicht auf" gehen.
Ja
Ist vorgeschriebene Spannung an EA-Steckern?
Nein
Stromkreis und seine Teile prüfen.
Ja
Wird das Video-Signal an Stift (23) von P3102 angelegt?
Nein
Den Videoanschluss und seine Peripheriekreise prüfen.
Ja
Wird das Audio-Signal von Stift (7) von IC4502 ausgegeben?
Nein
IC4502 und seine Peripheriekreise prüfen.
Ja
Wird das Signal von Stift (5) von IC4505 ausgegeben?
Nein
IC4505 und seine Peripheriekreise prüfen.
Ja
Wird das Signal an Stift (72) von P8002 angelegt?
Nein
Q4501 und seine Peripheriekreise prüfen.
Ja
Zum Abschnitt "Prüfen der PC-Schnittstelleneinheit" gehen.

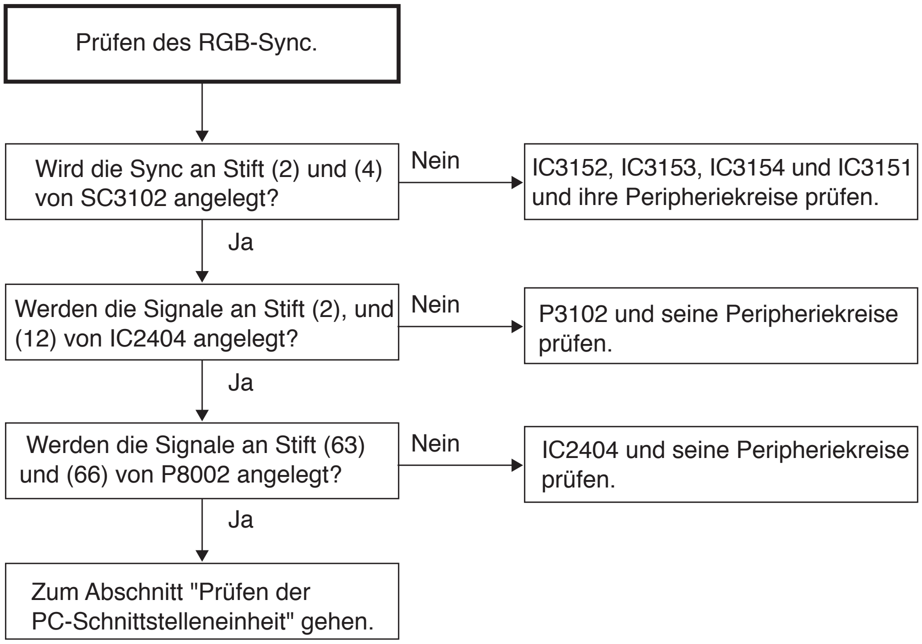
FEHLERSUCHTABELLE (Fortsetzung)


Prüfen des S-Video-Systems.
Leuchtet die Lampe?
Nein
Zu "Die Lampe leuchtet nicht auf" gehen.
Ja
Ist vorgeschriebene Spannung an EA-Steckern?
Nein
Stromkreis und seine Teile prüfen.
Ja
Wird das Video-Signal an Stift (19) und (21) von P3102 angelegt?
Nein
Den Videoanschluss und seine Peripheriekreise prüfen.
Ja
Wird das Y-Signal von Stift (7) von IC4502 ausgegeben?
Nein
IC4502 und seine Peripheriekreise prüfen.
Ja
Wird das C-Signal vom Emitter von Q4513 ausgegeben?
Nein
Q4513 und seine Peripheriekreise prüfen.
Ja
Wird das Signal an Stift (72) und (73) von P8002 angelegt?
Nein
Q4502 und seine Peripheriekreise prüfen.
Ja
Zum Abschnitt "Prüfen der PC-Schnittstelleneinheit" gehen.

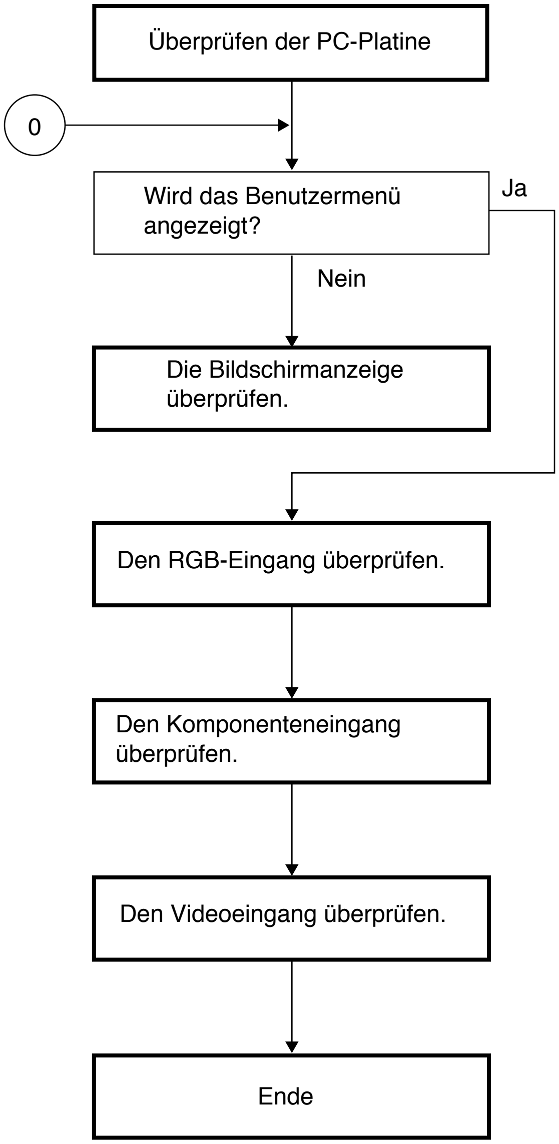
FEHLERSUCHTABELLE (Fortsetzung)


Prüfen des RGB-Signals.
Werden die RGB-Signale von Stift (16), (18) und (20) von IC3101 ausgegeben?
Nein
IC3101 und seine Peripheriekreise prüfen.
Ja
Werden die Signale von Stift (26), (28) und (30) von P3102 ausgegeben?
Nein
SC3102 und P3102 und ihre Peripheriekreise prüfen.
Ja
Werden die Signale an Stift (1), (5) und (25) angelegt?
Nein
Q2419 und Q2420 und ihre Peripheriekreise prüfen.
Ja
Werden die Signale an Stift (54), (58) und (62) angelegt?
Nein
IC2401, Q2401, Q2402 und Q2404 und ihre Peripheriekreise prüfen.
Ja
Werden die Signale von Stift (45)-(54), Stift (57)-(66) und Stift (69)-(78) von P8001 ausgegeben?
Nein
Zum Abschnitt "Prüfen der PC-Schnittstelleneinheit" gehen.
Ja
Werden die Signale an IC1101, IC1201, IC1301 und IC1401 angelegt?
Nein
IC1101, IC1201, IC1301 und IC1401 und ihre Peripheriekreise prüfen.
Ja
Werden die Signale an SC1101, SC1201, SC1301 angelegt?
Ja
Den Anschluss der LCD-Platten prüfen.
Wenn Videosignal und OSD ebenfalls nicht gezeigt werden, die LCD-Platten ersetzen.

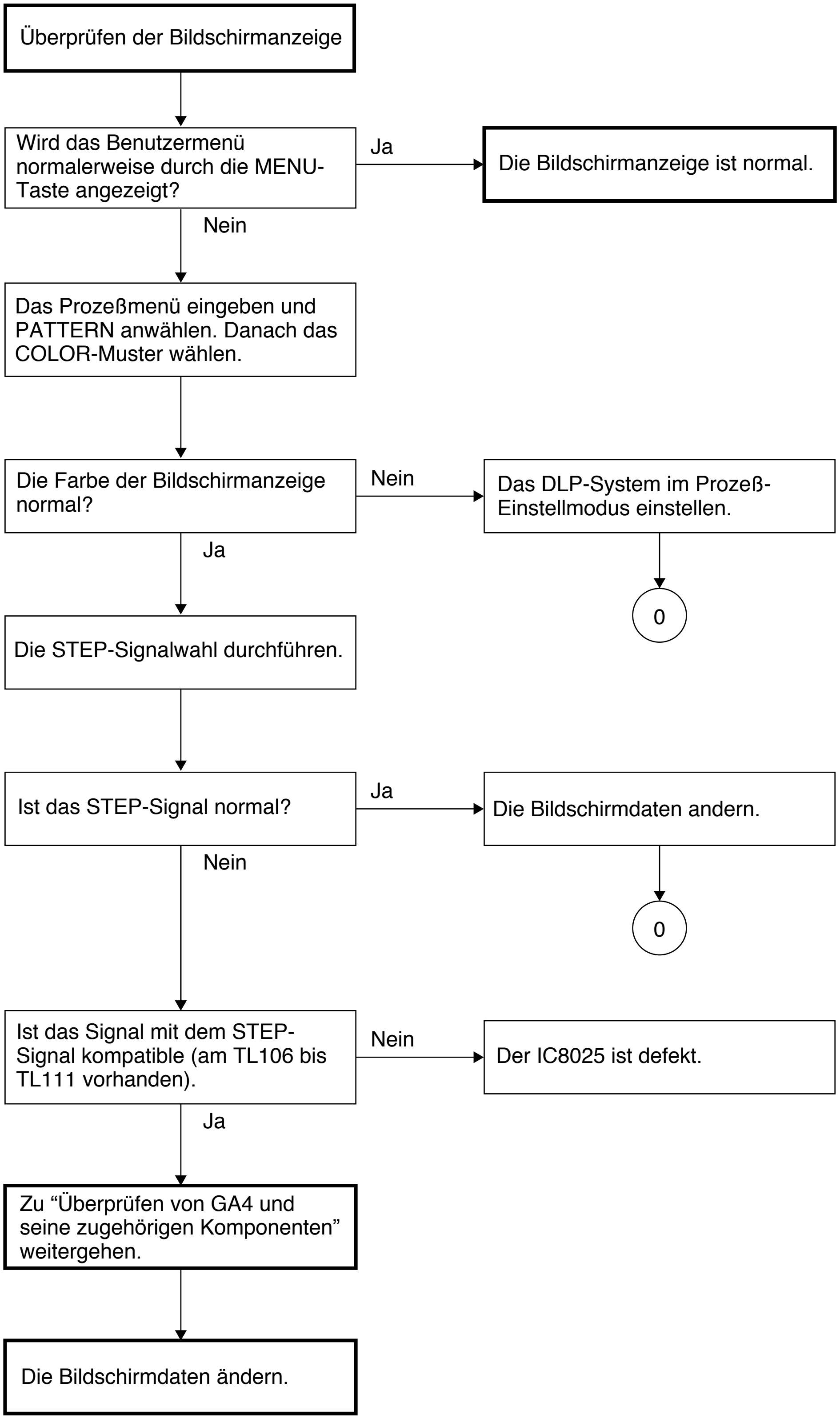
FEHLERSUCHTABELLE (Fortsetzung)


Prüfen des RGB-Sync.
Wird die Sync an Stift (2) und (4) von SC3102 angelegt?
Nein
IC3152, IC3153, IC3154 und IC3151 und ihre Peripheriekreise prüfen.
Ja
Werden die Signale an Stift (2), und (12) von IC2404 angelegt?
Nein
P3102 und seine Peripheriekreise prüfen.
Ja
Werden die Signale an Stift (63) und (66) von P8002 angelegt?
Nein
IC2404 und seine Peripheriekreise prüfen.
Ja
Zum Abschnitt "Prüfen der PC-Schnittstelleneinheit" gehen.

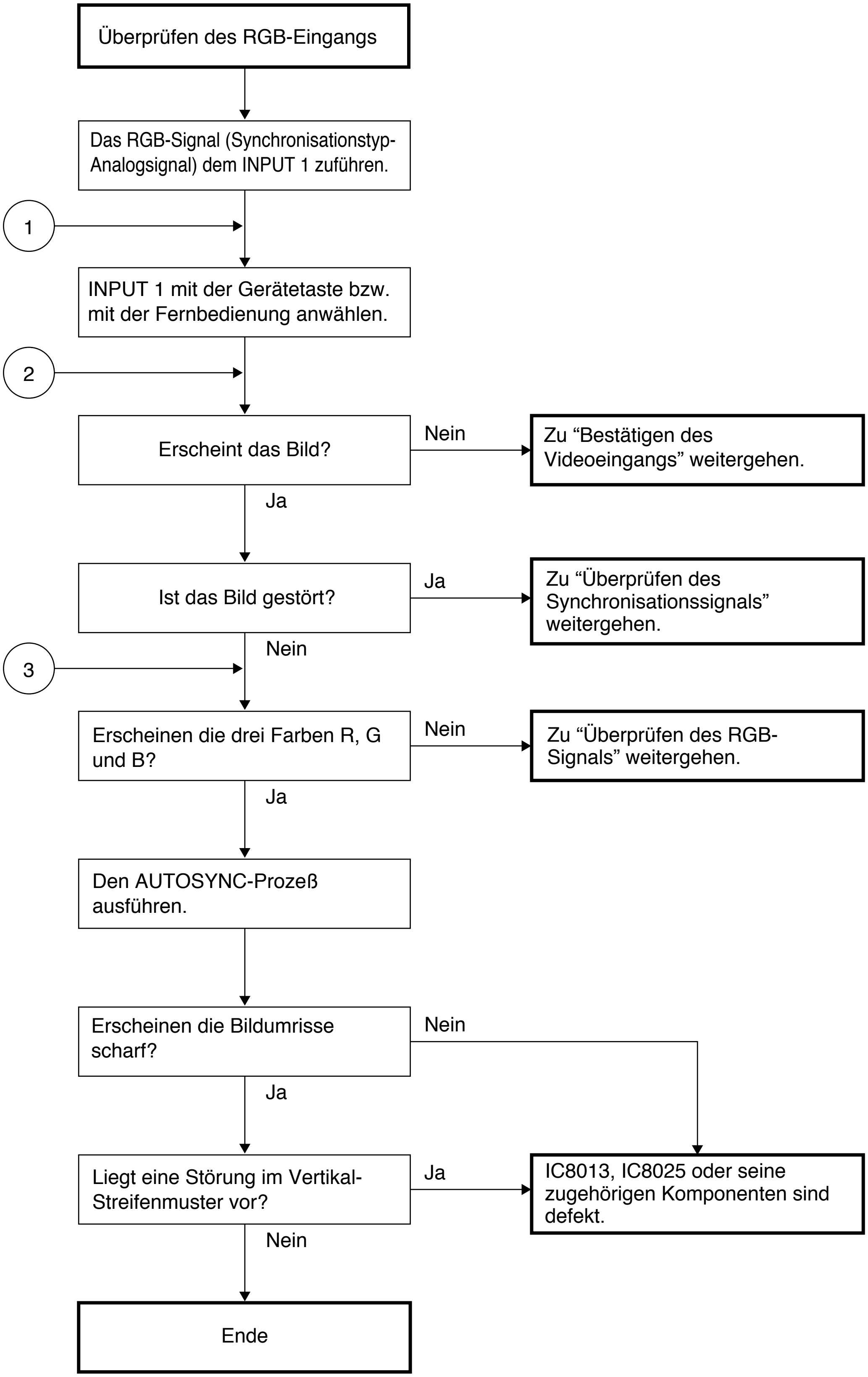
FEHLERSUCHTABELLE für PC I/F EINHEIT


Überprüfen der PC-Platine
0
Wird das Benutzermenü angezeigt?
Ja
Nein
Die Bildschirmanzeige überprüfen.
Den RGB-Eingang überprüfen.
Den Komponenteneingang überprüfen.
Den Videoeingang überprüfen.
Ende

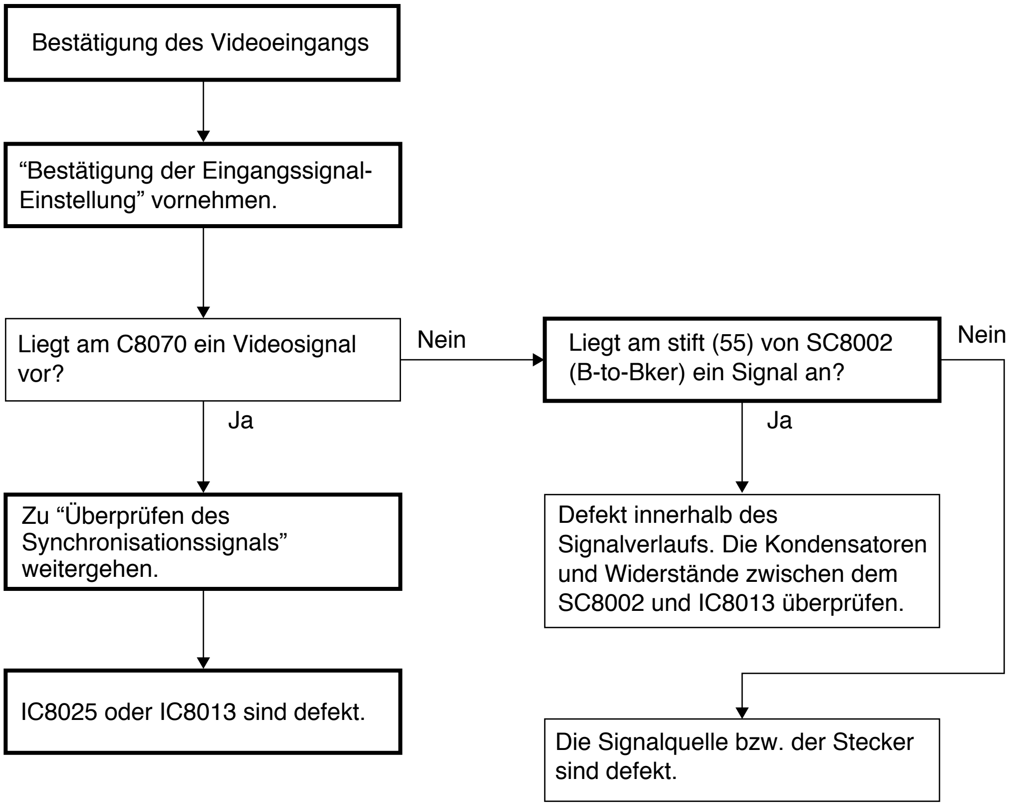
FEHLERSUCHTABELLE für PC I/F EINHEIT (Fortsetzung)

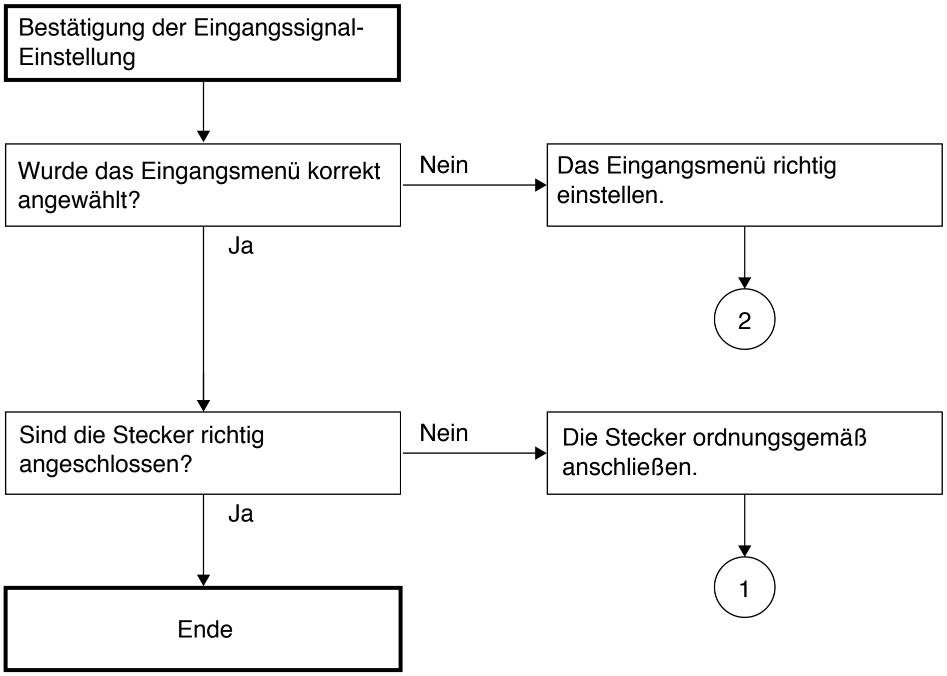

Überprüfen der Bildschirmanzeige
Wird das Benutzermenü normalerweise durch die MENU-Taste angezeigt?
Ja
Die Bildschirmanzeige ist normal.
Nein
Das Prozeßmenü eingeben und PATTERN anwählen. Danach das COLOR-Muster wählen.
Die Farbe der Bildschirmanzeige normal?
Nein
Das DLP-System im Prozeß-Einstellmodus einstellen.
0
Ja
Die STEP-Signalwahl durchführen.
Ist das STEP-Signal normal?
Ja
Die Bildschirmdaten andern.
0
Nein
Ist das Signal mit dem STEP-Signal kompatible (am TL106 bis TL111 vorhanden).
Nein
Der IC8025 ist defekt.
Ja
Zu “Überprüfen von GA4 und seine zugehörigen Komponenten” weitergehen.
Die Bildschirmdaten ändern.

FEHLERSUCHTABELLE für PC I/F EINHEIT (Fortsetzung)

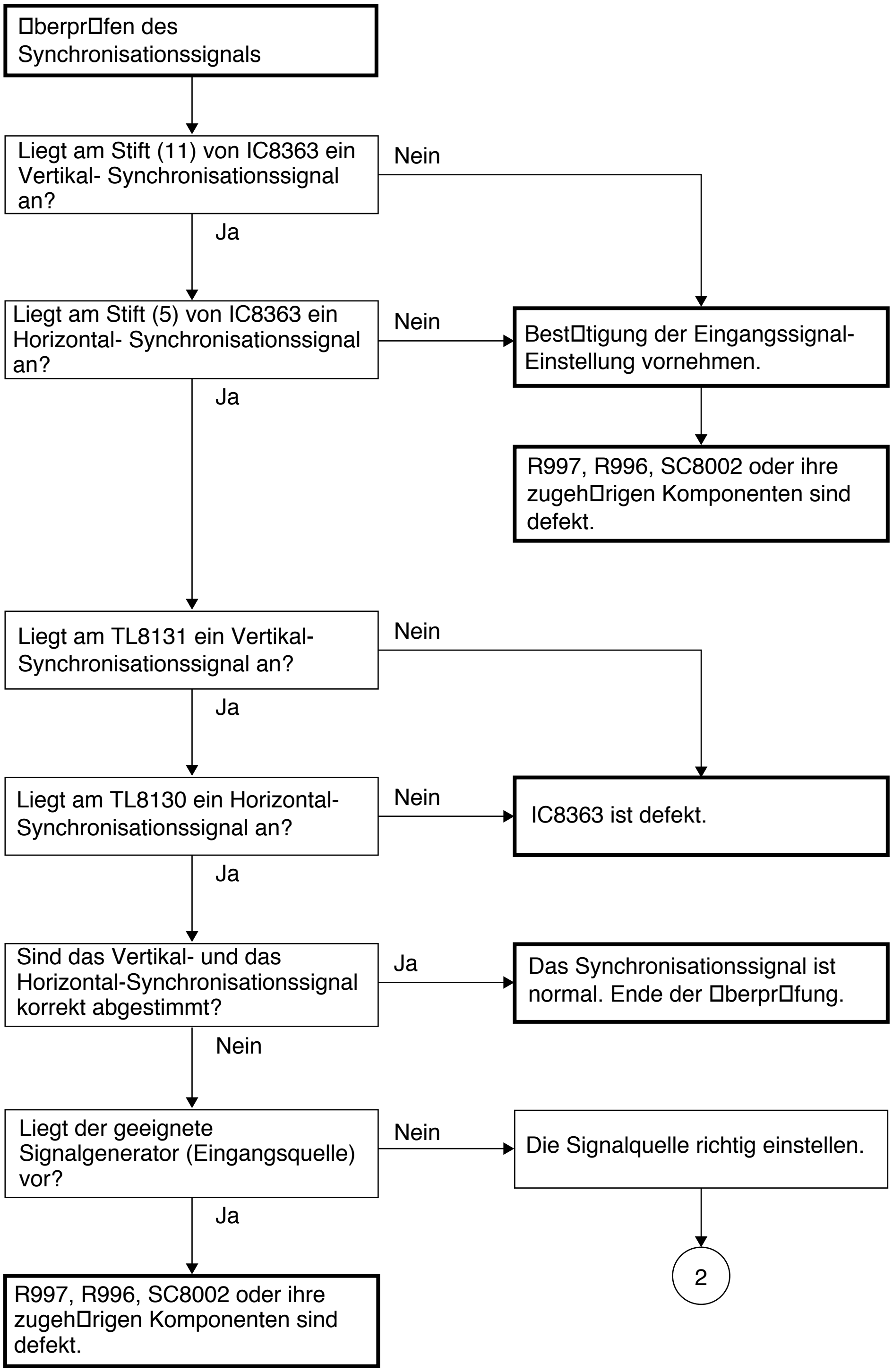

Überprüfen des RGB-Eingangs
Das RGB-Signal (Synchronisationstyp-Analogsignal) dem INPUT 1 zuführen.
1
INPUT 1 mit der Gerätetaste bzw. mit der Fernbedienung anwählen.
2
Erscheint das Bild?
Nein
Zu "Bestätigen des Videoeingangs" weitergehen.
Ja
Ist das Bild gestört?
Ja
Zu "Überprüfen des Synchronisationssignals" weitergehen.
Nein
3
Erscheinen die drei Farben R, G und B?
Nein
Zu "Überprüfen des RGB-Signals" weitergehen.
Ja
Den AUTOSYNC-Prozeß ausführen.
Erscheinen die Bildumrisse scharf?
Nein
Ja
Liegt eine Störung im Vertikal-Streifenmuster vor?
Ja
IC8013, IC8025 oder seine zugehörigen Komponenten sind defekt.
Nein
Ende

FEHLERSUCHTABELLE für PC I/F EINHEIT (Fortsetzung)

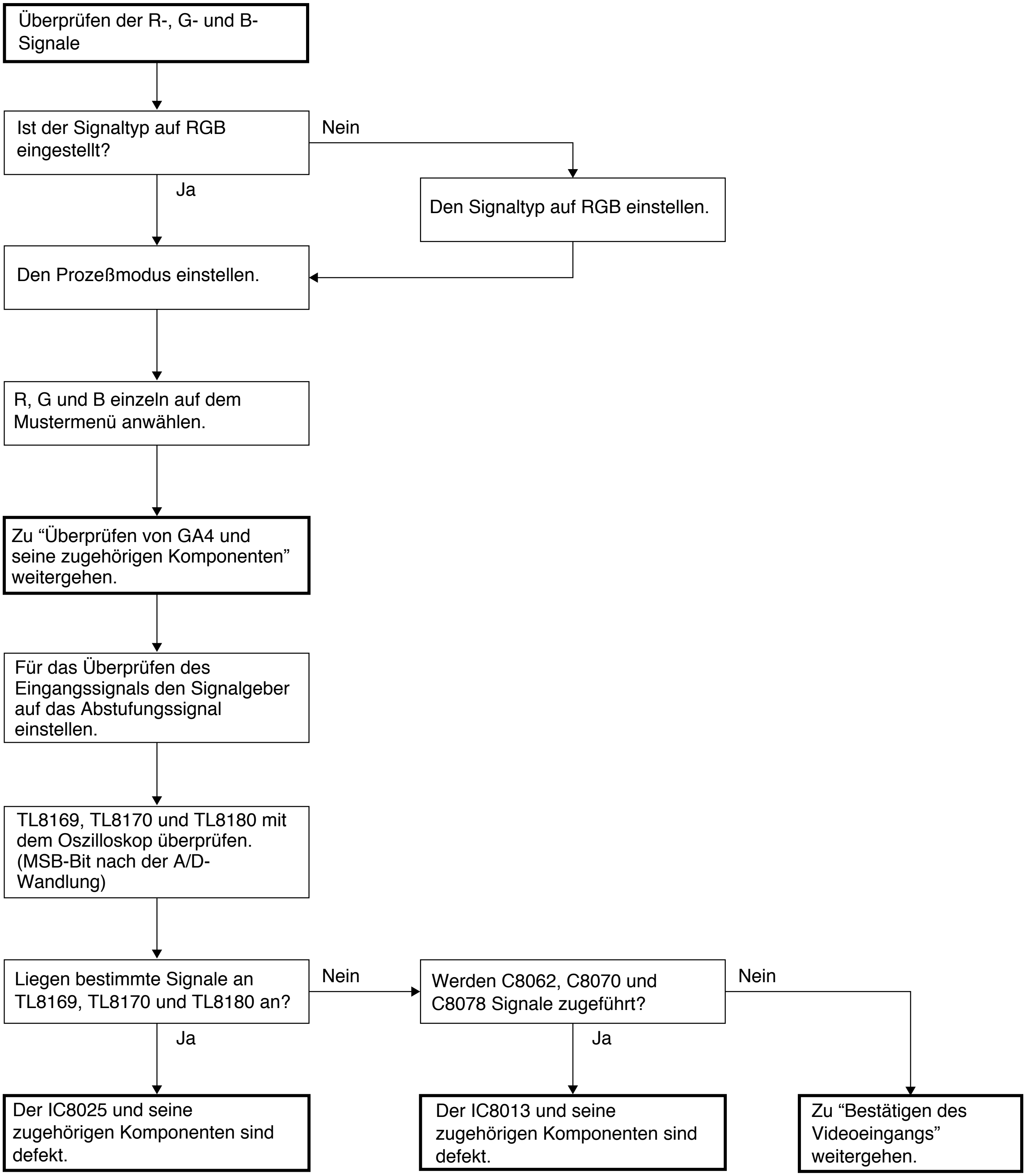

Bestätigung des Videoeingangs
“Bestätigung der Eingangssignal-Einstellung” vornehmen.
Liegt am C8070 ein Videosignal vor?
Nein
Liegt am stift (55) von SC8002 (B-to-Bker) ein Signal an?
Nein
Ja
Ja
Zu “Überprüfen des Synchronisationssignals” weitergehen.
Defekt innerhalb des Signalverlaufs. Die Kondensatoren und Widerstände zwischen dem SC8002 und IC8013 überprüfen.
IC8025 oder IC8013 sind defekt.
Die Signalquelle bzw. der Stecker sind defekt.


Bestätigung der Eingangssignal-Einstellung
Wurde das Eingangsmenü korrekt angewählt?
Nein
Das Eingangsmenü richtig einstellen.
Ja
2
Sind die Stecker richtig angeschlossen?
Nein
Die Stecker ordnungsgemäß anschließen.
Ja
1
Ende

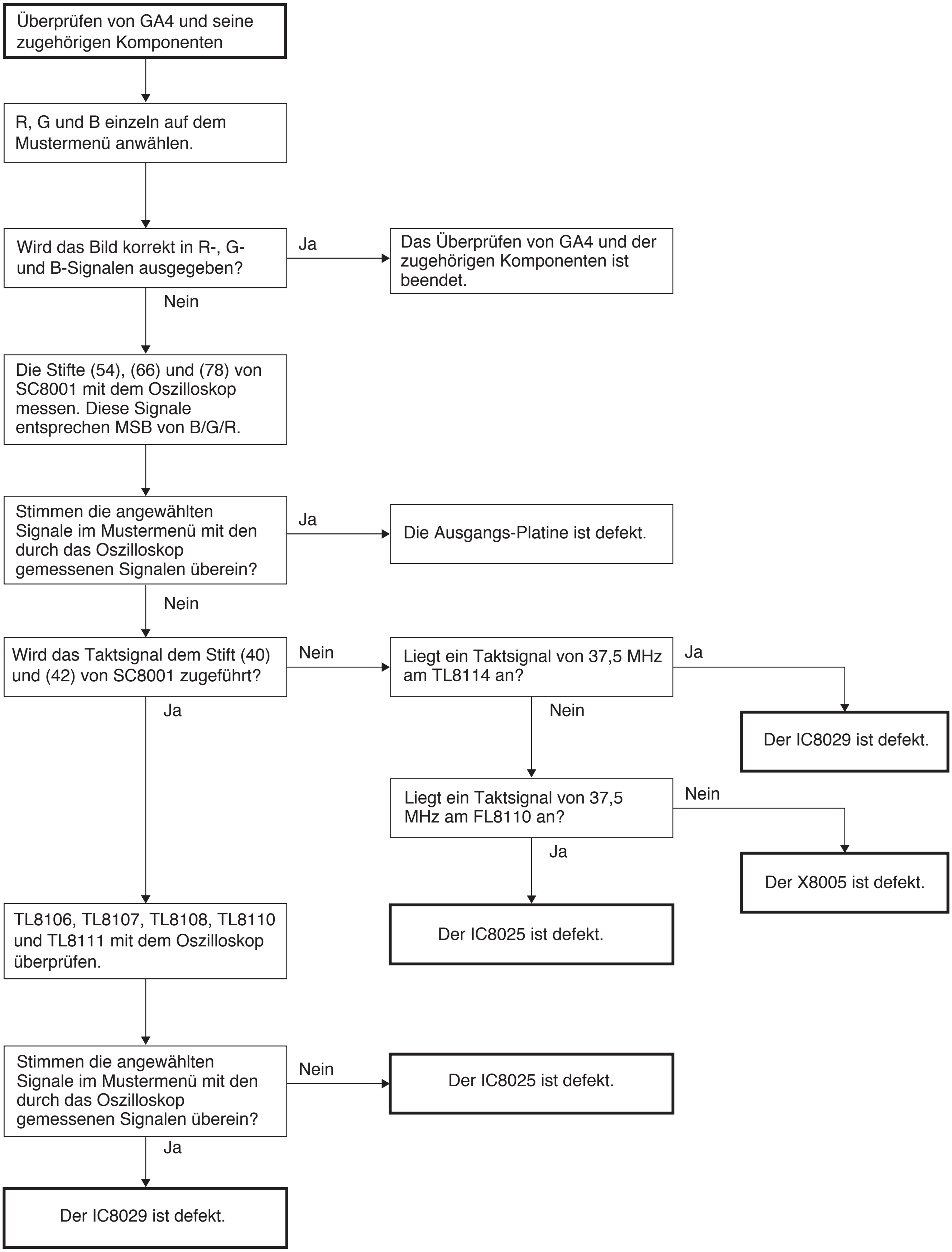
FEHLERSUCHTABELLE für PC I/F EINHEIT (Fortsetzung)


Überprüfen des Synchronisationssignals
Liegt am Stift (11) von IC8363 ein Vertikal- Synchronisationssignal an?
Nein
Ja
Liegt am Stift (5) von IC8363 ein Horizontal- Synchronisationssignal an?
Nein
Bestätigung der Eingangssignal-Einstellung vornehmen.
Ja
R997, R996, SC8002 oder ihre zugehörigen Komponenten sind defekt.
Liegt am TL8131 ein Vertikal-Synchronisationssignal an?
Nein
Ja
Liegt am TL8130 ein Horizontal-Synchronisationssignal an?
Nein
IC8363 ist defekt.
Ja
Sind das Vertikal- und das Horizontal-Synchronisationssignal korrekt abgestimmt?
Ja
Das Synchronisationssignal ist normal. Ende der Überprüfung.
Nein
Liegt der geeignete Signalgenerator (Eingangsquelle) vor?
Nein
Die Signalquelle richtig einstellen.
2
Ja
R997, R996, SC8002 oder ihre zugehörigen Komponenten sind defekt.

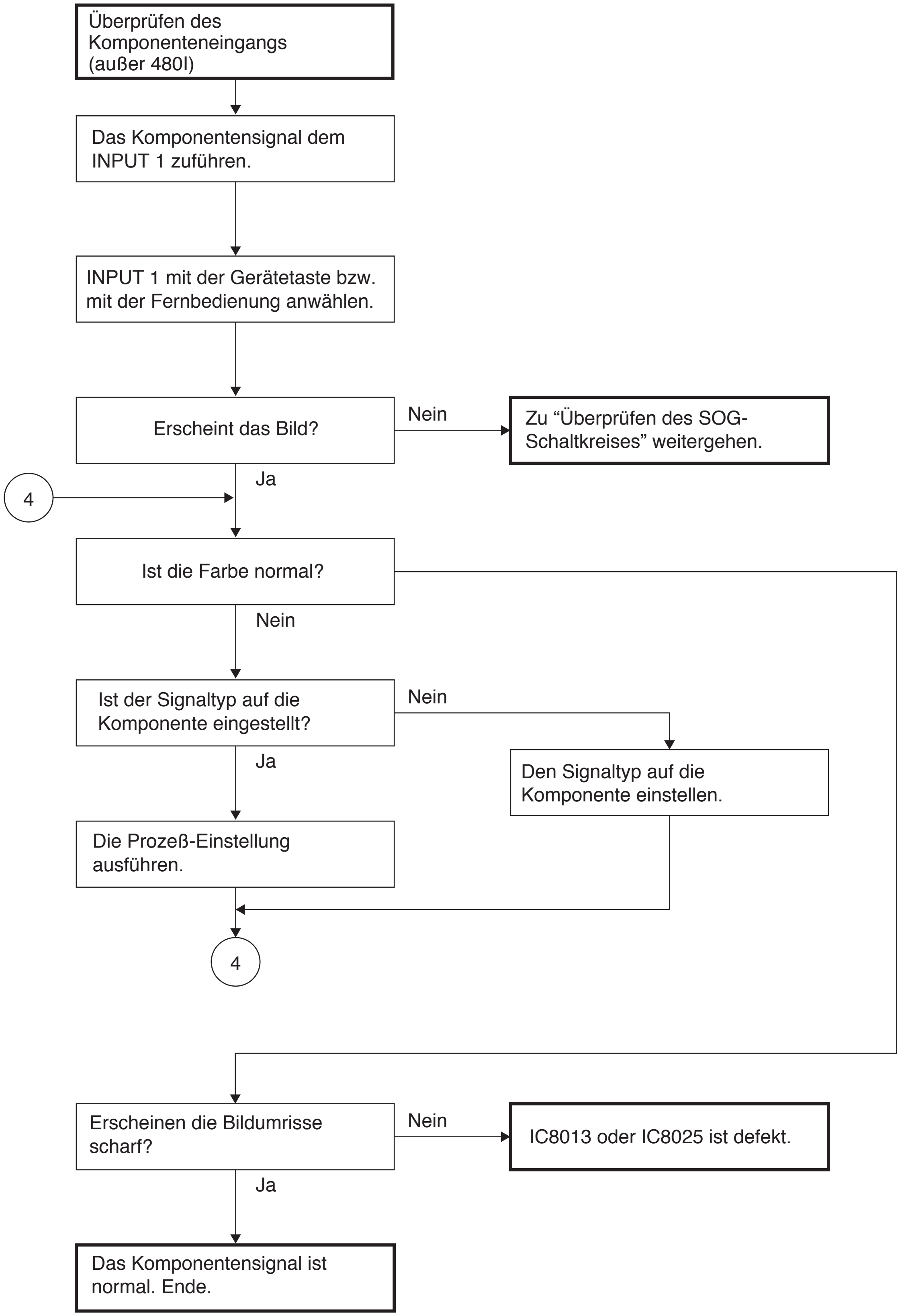
FEHLERSUCHTABELLE für PC I/F EINHEIT (Fortsetzung)


Überprüfen der R-, G- und B-Signale
Ist der Signaltyp auf RGB eingestellt?
Nein
Den Signaltyp auf RGB einstellen.
Ja
Den Prozeßmodus einstellen.
R, G und B einzeln auf dem Mustermenü anwählen.
Zu "Überprüfen von GA4 und seine zugehörigen Komponenten" weitergehen.
Für das Überprüfen des Eingangssignals den Signalgeber auf das Abstufungssignal einstellen.
TL8169, TL8170 und TL8180 mit dem Oszilloskop überprüfen. (MSB-Bit nach der A/D-Wandlung)
Liegen bestimmte Signale an TL8169, TL8170 und TL8180 an?
Nein
Werden C8062, C8070 und C8078 Signale zugeführt?
Nein
Ja
Ja
Der IC8025 und seine zugehörigen Komponenten sind defekt.
Der IC8013 und seine zugehörigen Komponenten sind defekt.
Zu "Bestätigen des Videoeingangs" weitergehen.

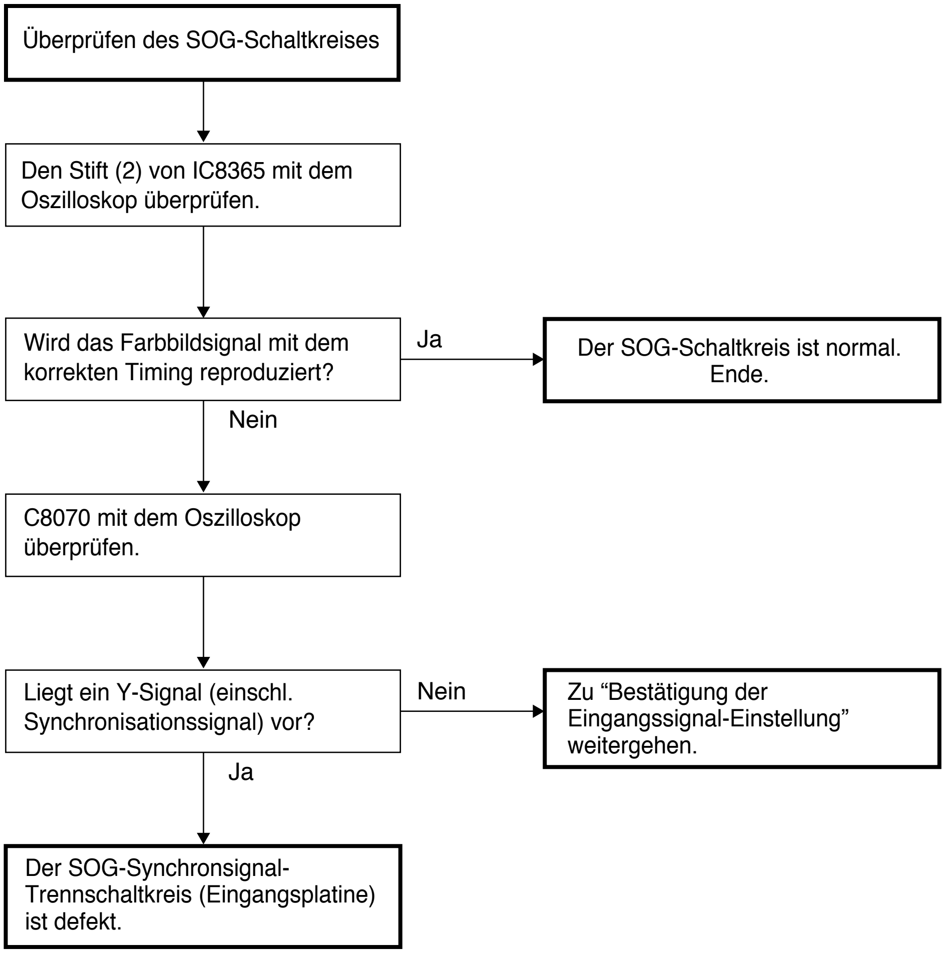
FEHLERSUCHTABELLE für PC I/F EINHEIT (Fortsetzung)


Überprüfen von GA4 und seine zugehörigen Komponenten
R, G und B einzeln auf dem Mustermenü anwählen.
Wird das Bild korrekt in R-, G- und B-Signalen ausgegeben?
Ja
Das Überprüfen von GA4 und der zugehörigen Komponenten ist beendet.
Nein
Die Stifte (54), (66) und (78) von SC8001 mit dem Oszilloskop messen. Diese Signale entsprechen MSB von B/G/R.
Stimmen die angewählten Signale im Mustermenü mit den durch das Oszilloskop gemessenen Signalen überein?
Ja
Die Ausgangs-Platine ist defekt.
Nein
Wird das Taktsignal dem Stift (40) und (42) von SC8001 zugeführt?
Nein
Liegt ein Taktsignal von 37,5 MHz am TL8114 an?
Ja
Der IC8029 ist defekt.
Nein
Liegt ein Taktsignal von 37,5 MHz am FL8110 an?
Nein
Der X8005 ist defekt.
Ja
Der IC8025 ist defekt.
Ja
TL8106, TL8107, TL8108, TL8110 und TL8111 mit dem Oszilloskop überprüfen.
Stimmen die angewählten Signale im Mustermenü mit den durch das Oszilloskop gemessenen Signalen überein?
Nein
Der IC8025 ist defekt.
Ja
Der IC8029 ist defekt.

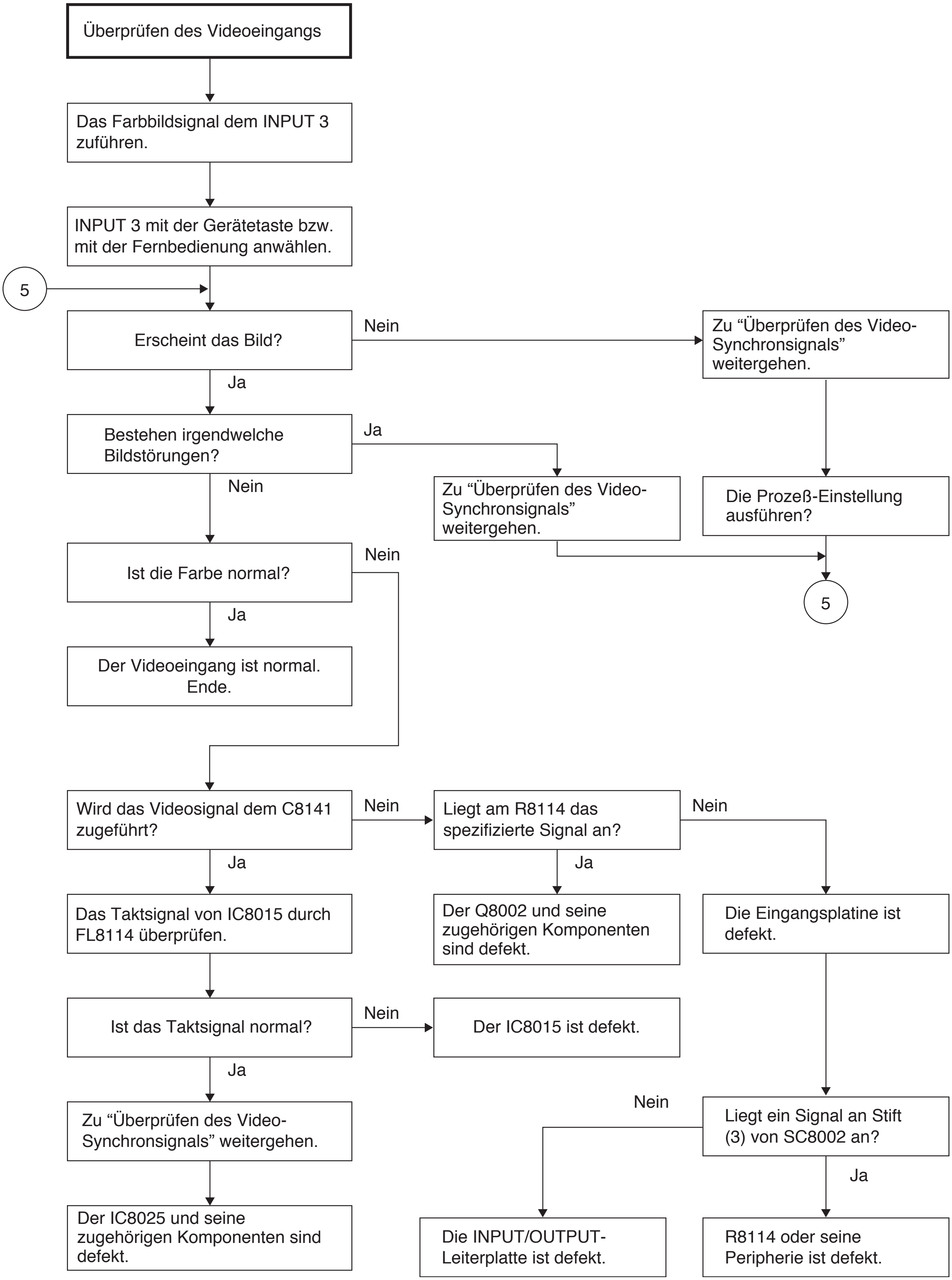
FEHLERSUCHTABELLE für PC I/F EINHEIT (Fortsetzung)


Überprüfen des Komponenteneingangs (außer 480I)
Das Komponentensignal dem INPUT 1 zuführen.
INPUT 1 mit der Gerätetaste bzw. mit der Fernbedienung anwählen.
Erscheint das Bild?
Nein
Zu “Überprüfen des SOG-Schaltkreises” weitergehen.
Ja
4
Ist die Farbe normal?
Nein
Ist der Signaltyp auf die Komponente eingestellt?
Nein
Den Signaltyp auf die Komponente einstellen.
Ja
Die Prozeß-Einstellung ausführen.
4
Erscheinen die Bildumrisse scharf?
Nein
IC8013 oder IC8025 ist defekt.
Ja
Das Komponentensignal ist normal. Ende.

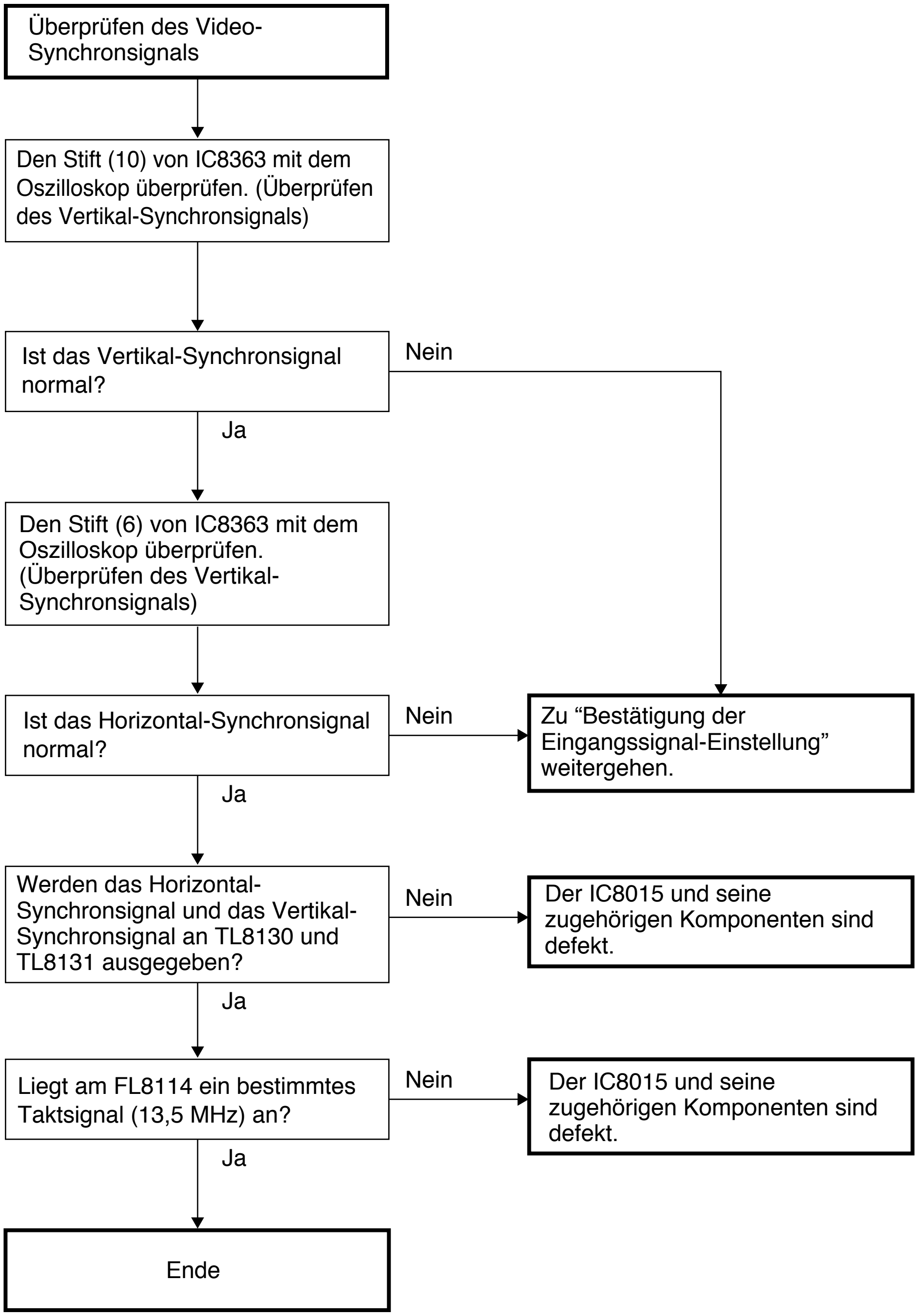
FEHLERSUCHTABELLE für PC I/F EINHEIT (Fortsetzung)


Überprüfen des SOG-Schaltkreises
Den Stift (2) von IC8365 mit dem Oszilloskop überprüfen.
Wird das Farbbildsignal mit dem korrekten Timing reproduziert?
Ja
Der SOG-Schaltkreis ist normal. Ende.
Nein
C8070 mit dem Oszilloskop überprüfen.
Liegt ein Y-Signal (einschl. Synchronisationssignal) vor?
Nein
Zu “Bestätigung der Eingangssignal-Einstellung” weitergehen.
Ja
Der SOG-Synchronsignal-Trennschaltkreis (Eingangsplatine) ist defekt.

FEHLERSUCHTABELLE für PC I/F EINHEIT (Fortsetzung)

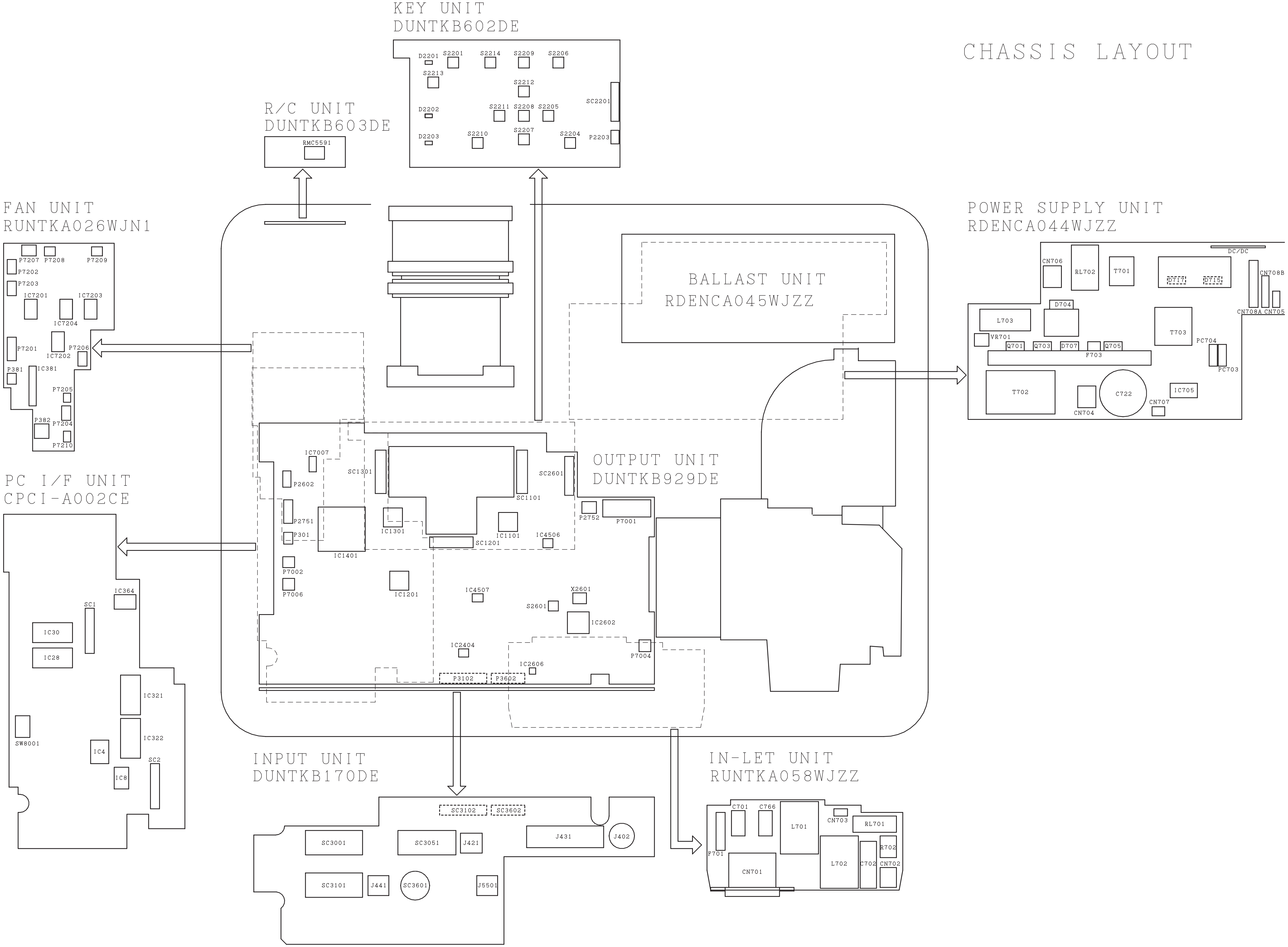

Überprüfen des Videoeingangs
Das Farbbildsignal dem INPUT 3 zuführen.
INPUT 3 mit der Gerätetaste bzw. mit der Fernbedienung anwählen.
5
Erscheint das Bild?
Nein
Zu “Überprüfen des Video-Synchronsignals” weitergehen.
Ja
Bestehen irgendwelche Bildstörungen?
Ja
Zu “Überprüfen des Video-Synchronsignals” weitergehen.
Die Prozeß-Einstellung ausführen?
5
Nein
Ist die Farbe normal?
Nein
Ja
Der Videoeingang ist normal. Ende.
Wird das Videosignal dem C8141 zugeführt?
Nein
Liegt am R8114 das spezifizierte Signal an?
Nein
Ja
Das Taktsignal von IC8015 durch FL8114 überprüfen.
Ja
Der Q8002 und seine zugehörigen Komponenten sind defekt.
Die Eingangsplatine ist defekt.
Ist das Taktsignal normal?
Nein
Der IC8015 ist defekt.
Ja
Zu “Überprüfen des Video-Synchronsignals” weitergehen.
Nein
Liegt ein Signal an Stift (3) von SC8002 an?
Ja
Der IC8025 und seine zugehörigen Komponenten sind defekt.
Die INPUT/OUTPUT-Leiterplatte ist defekt.
R8114 oder seine Peripherie ist defekt.

FEHLERSUCHTABELLE für PC I/F EINHEIT (Fortsetzung)

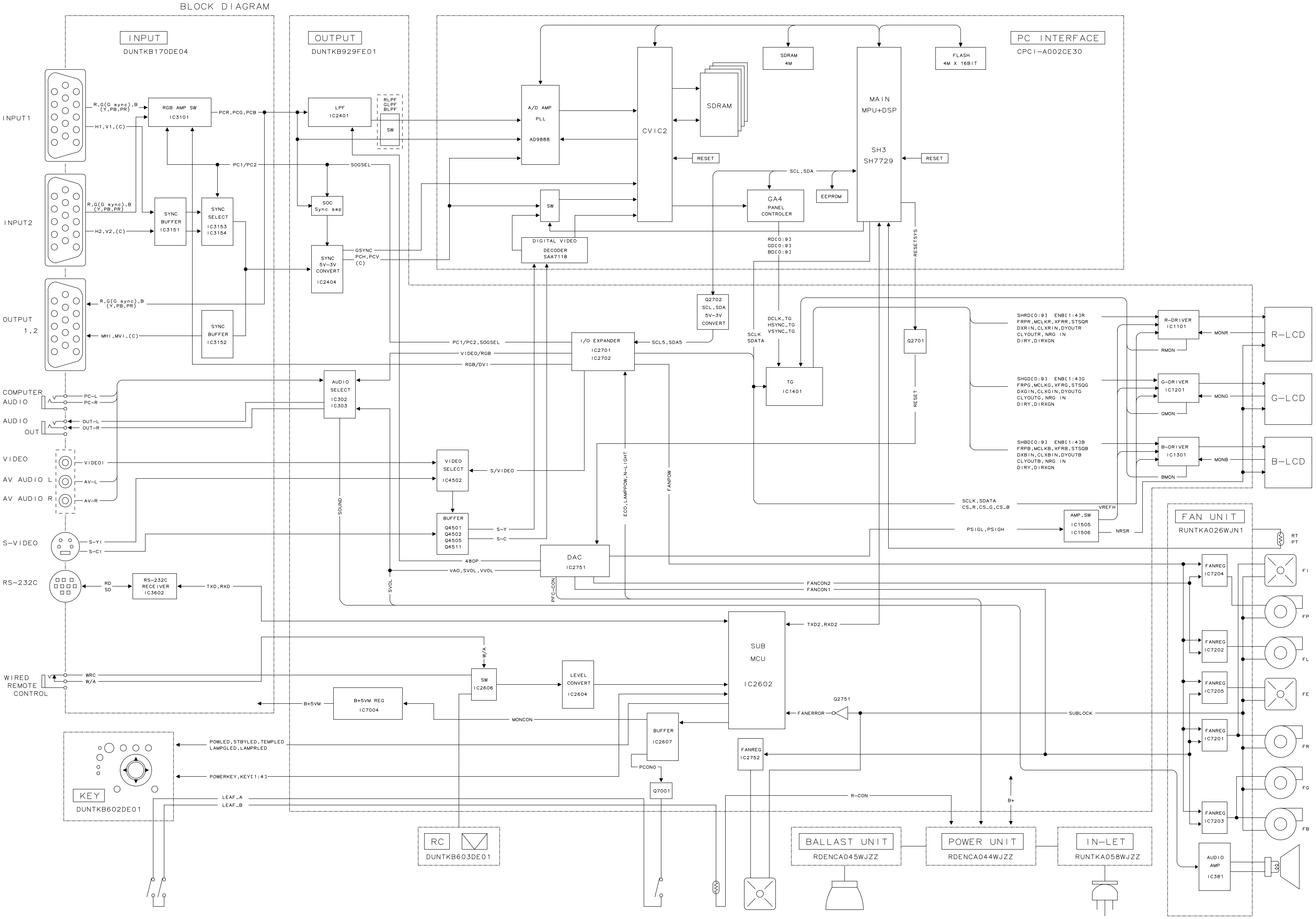

Überprüfen des Video-Synchronsignals
Den Stift (10) von IC8363 mit dem Oszilloskop überprüfen. (Überprüfen des Vertikal-Synchronsignals)
Ist das Vertikal-Synchronsignal normal?
Nein
Ja
Den Stift (6) von IC8363 mit dem Oszilloskop überprüfen. (Überprüfen des Vertikal-Synchronsignals)
Ist das Horizontal-Synchronsignal normal?
Nein
Zu “Bestätigung der Eingangssignal-Einstellung” weitergehen.
Ja
Werden das Horizontal-Synchronsignal und das Vertikal-Synchronsignal an TL8130 und TL8131 ausgegeben?
Nein
Der IC8015 und seine zugehörigen Komponenten sind defekt.
Ja
Liegt am FL8114 ein bestimmtes Taktsignal (13,5 MHz) an?
Nein
Der IC8015 und seine zugehörigen Komponenten sind defekt.
Ja
Ende

- M E M O -

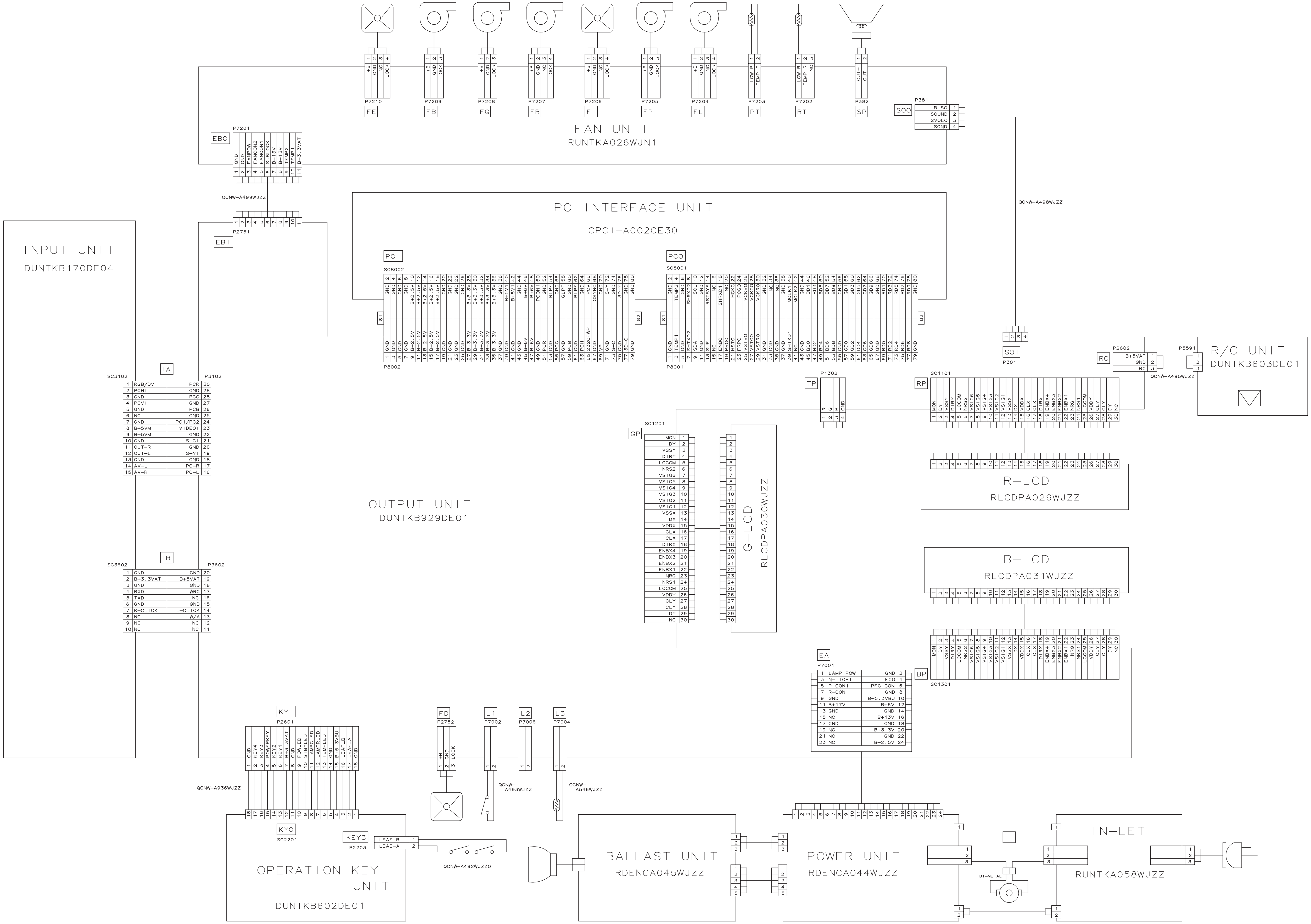
CHASSIS LAYOUT/CHASSIS-ANORDNUNG


CHASSIS LAYOUT
KEY UNIT
DUNTKB602DE
D2201
S2201
S2214
S2209
S2206
S2213
S2212
D2202
S2211
S2208
S2205
SC2201
D2203
S2210
S2207
S2204
P2203
R/C UNIT
DUNTKB603DE
RMC5591
FAN UNIT
RUNTKA026WJN1
P7207
P7208
P7209
P7202
P7203
IC7201
IC7203
IC7204
P7201
IC7202
P7206
P381
IC381
P7205
P382
P7204
P7210
PC I/F UNIT
CPCI-A002CE
SC1
IC364
IC30
IC28
IC321
IC322
SW8001
IC4
IC8
SC2
BALLAST UNIT
RDENCA045WJZZ
POWER SUPPLY UNIT
RDENCA044WJZZ
DC/DC
CN706
RL702
T701
D711
D715
CN708B
D704
CN708A
CN705
L703
T703
VR701
Q701
Q703
D707
Q705
PC704
F703
PC703
T702
C722
IC705
CN704
CN707
OUTPUT UNIT
DUNTKB929DE
IC7007
SC1301
SC2601
P2602
SC1101
P2752
P7001
P2751
IC1301
IC1101
IC4506
P301
SC1201
IC1401
P7002
P7006
IC1201
IC4507
X2601
S2601
IC2602
IC2404
P7004
IC2606
P3102
P3602
INPUT UNIT
DUNTKB170DE
SC3102
SC3602
SC3001
SC3051
J421
J431
J402
SC3101
J441
SC3601
J5501
IN-LET UNIT
RUNTKA058WJZZ
C701
C766
L701
CN703
RL701
F701
R702
CN701
L702
C702
CN702

BLOCK DIAGRAM/BLOCKCHALTBILD


BLOCK DIAGRAM
INPUT
DUNTKB170DE04
OUTPUT
DUNTKB929FE01
PC INTERFACE
CPCI-A002CE30
INPUT1
INPUT2
OUTPUT 1,2
R,G(G sync),B (Y,PB,PR)
H1,V1,(C)
H2,V2,(C)
MHI,MVI,(C)
RGB AMP SW IC3101
PCR,PCG,PCB
PC1/PC2
SOGSEL
SYNC BUFFER IC3151
SYNC SELECT IC3153 IC3154
SYNC BUFFER IC3152
LPF IC2401
RLPF GLPF BLPF
SW
SOC Sync sep
SYNC 5V-3V CONVERT IC2404
GSYNC PCH,PCV (C)
A/D AMP PLL AD9888
CVIC2
SDRAM
SDRAM 4M
MAIN MPU+DSP SH3 SH7729
FLASH 4M X 16BIT
RESET
SCL,SDA
EEPROM
GA4 PANEL CONTROLER
DIGITAL VIDEO DECODER SAA7118
RD[0:9] GD[0:9] BD[0:9]
RESETSYS
Q2702 SCL,SDA 5V-3V CONVERT
SCLK SDATA
DCLK_TG HSYNC_TG VSYNC_TG
TG IC1401
Q2701
RESET
I/O EXPANDER IC2701 IC2702
SCL5,SDA5
PC1/PC2,SOGSEL
VIDEO/RGB
RGB/DVI
SHRD[0:9] ENB[1:4]R FRPR,MCLKR,XFRR,STSQR DXRIN,CLXRIN,DYOUTR CLYOUTR,NRG IN DIRY,DIRXGN
SHGD[0:9] ENB[1:4]G FRPG,MCLKG,XFRG,STSQG DXGIN,CLXGIN,DYOUTG CLYOUTG,NRG IN DIRY,DIRXGN
SHBD[0:9] ENB[1:4]B FRPB,MCLKB,XFRB,STSQB DXBIN,CLXBIN,DYOUTB CLYOUTB,NRG IN DIRY,DIRXGN
R-DRIVER IC1101
G-DRIVER IC1201
B-DRIVER IC1301
MONR
MONG
MONB
RMON
GMON
BMON
R-LCD
G-LCD
B-LCD
SCLK,SDATA CS_R,CS_G,CS_B
VREFH
PSIGL,PSIGH
AMP,SW IC1505 IC1506
NRSR
COMPUTER AUDIO
PC-L
PC-R
AUDIO OUT
OUT-L
OUT-R
AUDIO SELECT IC302 IC303
VIDEO
AV AUDIO L
AV AUDIO R
VIDEOI
AV-L
AV-R
VIDEO SELECT IC4502
S/VIDEO
S-VIDEO
S-YI
S-CI
BUFFER Q4501 Q4502 Q4505 Q4511
S-Y
S-C
SOUND
ECO,LAMPPOW,N-LIGHT
FANPOW
DAC IC2751
480P
VAO,SVOL,VVOL
SVOL
PFC-CON
FANCON2
FANCON1
RS-232C
RD SD
RS-232C RECEIVER IC3602
TXD,RXD
TXD2,RXD2
SUB MCU IC2602
WIRED REMOTE CONTROL
WRC
W/A
SW IC2606
LEVEL CONVERT IC2604
B+5VM
B+5VM REG IC7004
MONCON
BUFFER IC2607
PCON0
Q7001
Q2751
FANERROR
SUBLOCK
FANREG IC2752
POWLED,STBYLED,TEMPLED LAMPGLED,LAMPRLED
POWERKEY,KEY[1:4]
KEY
DUNTKB602DE01
LEAF_A
LEAF_B
R-CON
B+
RC
DUNTKB603DE01
BALLAST UNIT
RDENCA045WJZZ
POWER UNIT
RDENCA044WJZZ
IN-LET
RUNTKA058WJZZ
FAN UNIT
RUNTKA026WJN1
RT PT
FANREG IC7204
FANREG IC7202
FANREG IC7205
FANREG IC7201
FANREG IC7203
FI
FP
FL
FE
FR
FG
FB
AUDIO AMP IC381

OVERALL WIRING DIAGRAM/GESAMTSCHALTPLAN


FE
P7210
FB
P7209
FG
P7208
FR
P7207
FI
P7206
FP
P7205
FL
P7204
PT
P7203
RT
P7202
SP
P382
SOO
P381
B+SO 1
SOUND 2
SVOLO 3
SGND 4
FAN UNIT
RUNTKA026WJN1
EBO
P7201
QCNW-A499WJZZ
P2751
EBI
INPUT UNIT
DUNTKB170DE04
PC INTERFACE UNIT
CPCI-A002CE30
PCI
SC8002
P8002
PCO
SC8001
P8001
QCNW-A498WJZZ
SOI
P301
RC
P2602
B+5VAT 1
GND 2
RC 3
P5591
R/C UNIT
DUNTKB603DE01
QCNW-A495WJZZ
IA
SC3102
P3102
1 RGB/DVI PCR 30
2 PCHI GND 29
3 GND PCG 28
4 PCVI GND 27
5 GND PCB 26
6 NC GND 25
7 GND PC1/PC2 24
8 B+5VM VIDEOI 23
9 B+5VM GND 22
10 GND S-CI 21
11 OUT-R GND 20
12 OUT-L S-YI 19
13 GND GND 18
14 AV-L PC-R 17
15 AV-R PC-L 16
TP
P1302
RP
SC1101
GP
SC1201
G-LCD
RLCDPA030WJZZ
R-LCD
RLCDPA029WJZZ
B-LCD
RLCDPA031WJZZ
OUTPUT UNIT
DUNTKB929DE01
IB
SC3602
P3602
1 GND GND 20
2 B+3.3VAT B+5VAT 19
3 GND GND 18
4 RXD WRC 17
5 TXD NC 16
6 GND GND 15
7 R-CLICK L-CLICK 14
8 NC W/A 13
9 NC NC 12
10 NC NC 11
EA
P7001
1 LAMP POW GND 2
3 N-LIGHT ECO 4
5 P-CON1 PFC-CON 6
7 R-CON GND 8
9 GND B+5.3VBU 10
11 B+17V B+6V 12
13 GND GND 14
15 NC B+13V 16
17 GND GND 18
19 NC B+3.3V 20
21 NC GND 22
23 NC B+2.5V 24
BP
SC1301
KYI
P2601
FD
P2752
L1
P7002
L2
P7006
L3
P7004
QCNW-A936WJZZ
QCNW-A493WJZZ
QCNW-A546WJZZ
KYO
SC2201
KEY3
P2203
LEAE-B 1
LEAE-A 2
QCNW-A492WJZZ0
OPERATION KEY UNIT
DUNTKB602DE01
BALLAST UNIT
RDENCA045WJZZ
POWER UNIT
RDENCA044WJZZ
BI-METAL
IN-LET
RUNTKA058WJZZ

DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. Voltages at test points are measured at the supply voltage of AC 230V. Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. Waveforms at test points are observed at the supply voltage of AC 230V. Signals are fed by a colour bar signal generator for servicing purpose.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted.
   (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted.
   (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/16W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.
   Ⓒ: Solid　　Ⓦ: Cement
   Ⓢ: Oxide Film　　Ⓣ: Special
   Ⓝ: Metal Coating

CAPACITOR

1. All capacitors are μF, unless otherwise noted.
   (P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.
   (ML): Mylar　　(TA): Tantalum
   (PF): Polypro Film　　(ST): Styrol

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTES:

1. ***DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACEING PARTS.***
2. ***SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.***

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "⚠ (▨) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS

SPANNUNGSMESSUNGEN:

1. Spannungen an den Prüfpunkten werden bei einer Netzspannung von 230V gemessen, Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt, und Spannungen werden mit einem Meßinstrument (20 kΩ/V) ermittelt.

SIGNALFORMMESSUNGEN:

1. Die Wellenformen an den Testpunkten werden bei einer Netzspannung von 230V verfolgt. Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt.

BEZEICHNUNG DES WIDERSTANDS UND KONDENSATORS:

WIDERSTAND

1. Die Widerstandseinheit "Ω" wird weggelassen.
   (K=kΩ=1000 Ω, M=MΩ).
2. Alle Widerstände haben ± 5%, sofern nicht anders angegeben.
   (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. Alle Widerstände haben 1/16W, sofern nicht anders angegeben.
4. Alle Widerstände sind Kohletyp, sofern nicht anders angegeben.
   Ⓒ: Fest　　Ⓦ: Zement
   Ⓢ: Oxidefilm　　Ⓣ: Spezial
   Ⓝ: Metallüberzug

KONDENSATOR

1. Die Kapazitätseinheit ist μF, sofern nicht anders angegeben.
   (P=pF=μμF).
2. Alle Kondensatoren haben 50V, sofern nicht anders angegeben.
3. Alle Kondensatoren sind Keramiktyp, sofern nicht anders angegeben.
   (ML): Mylar　　(TA): Tantal
   (PF): Polyprofilm　　(ST): Styrol

ACHTUNG:
bei diesem Schaltplan handelt es sich um den ursprünglichen. Esönnen daher geringfügige Unterschiede zu dem Ihrem bestehen.

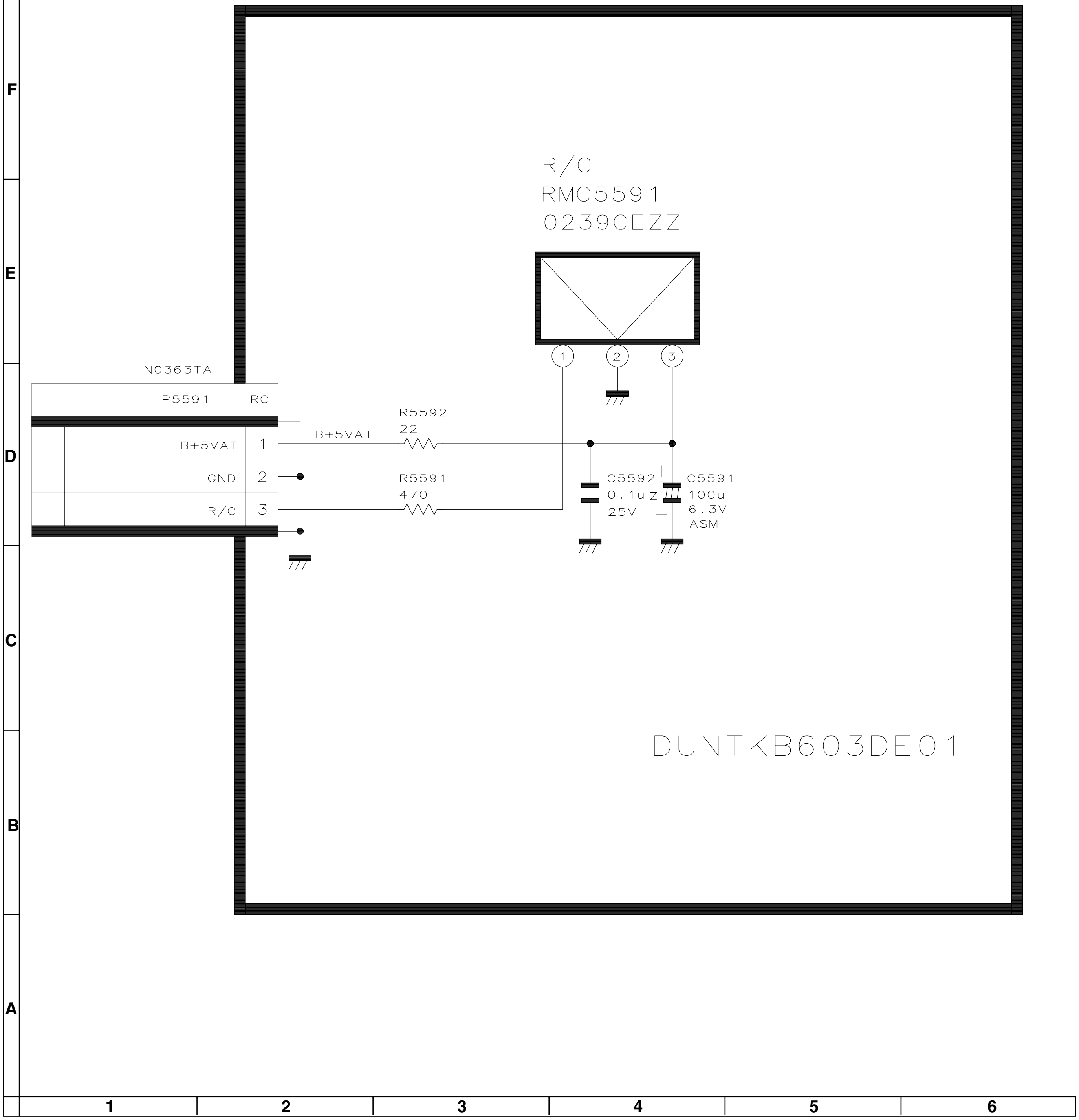
SICHERHEITSANMERKUNGEN:

1. ***VOR DEM AUSWECHSELN VON TEILEN MUSS UNBEDINGT NETZSTECKER AUS DER NETZSTECKDOSE GEZOGEN WERDEN.***
2. ***DIE WARMEABLEITER DER HALBLEITER SOLLTEN BEIM BETRIEB DES CHASSIS ALS MÖGLICHE URSACHEN VON GEFÄHRLICHEN ELEKTRISCHEN SCHLÄGEN BETRACHTET WERDEN.***

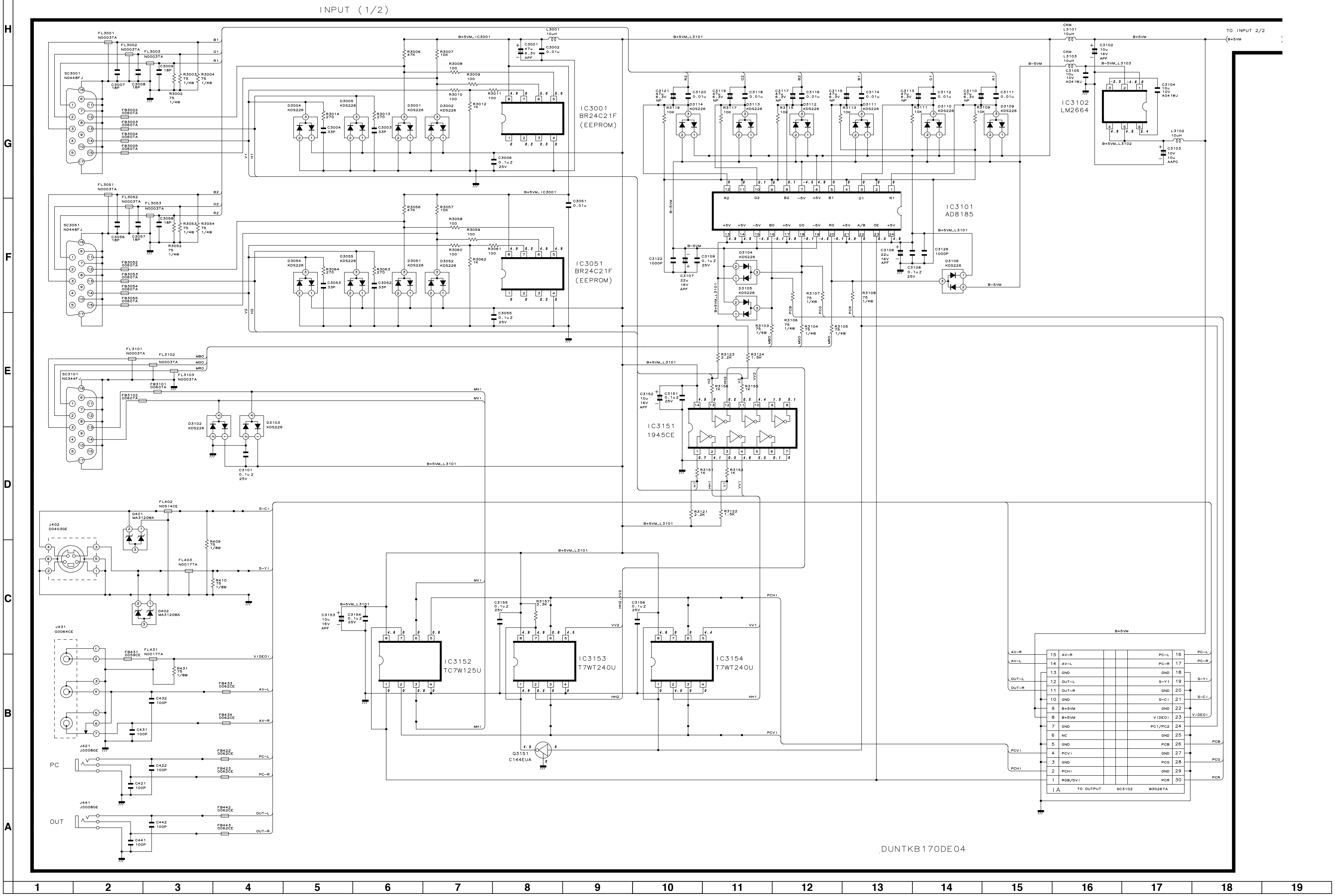
WICHTIGE SICHERHEITSANMERKUNGEN:

MIT "⚠ (▨)BEZEICHNETEN TEILE SIND BESONDERS WICHTIG FÜR DIE AUFRECHTERHALTUNG DER SICHERHEIT . BEIM WECHDIESER TEILE SOLLTEN DIE VORGESCHRIEBENEN TEILE IMMER VERWENDET WERDEN, UM SOWOHL DIE SICHERHEIT ALS AUCH DIE LEISTUNG DES GERÄTES AUFRECHTZUERHALTEN.

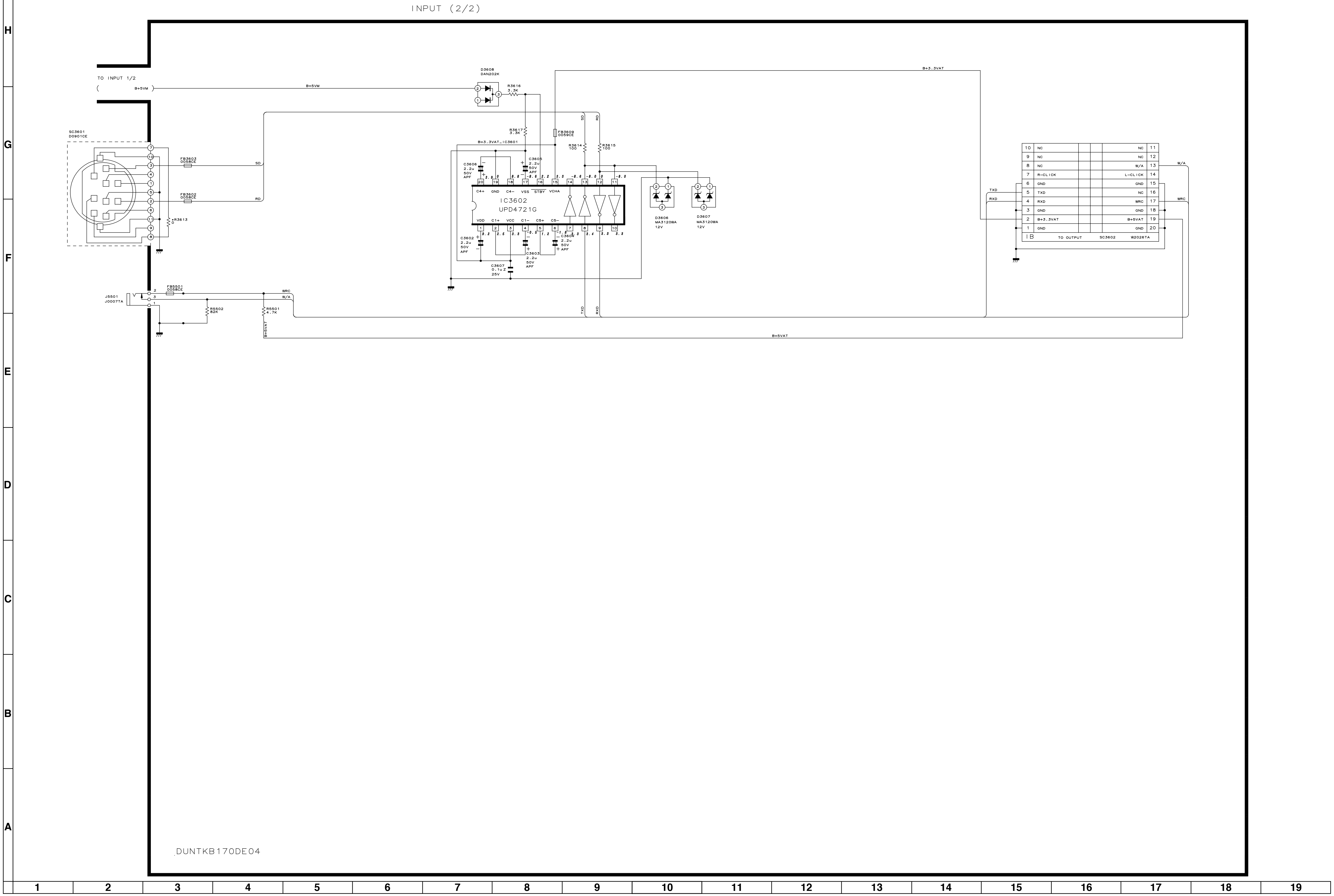
■ R/C RECEIVER UNIT / FERNBEDIENUNGS-EINHEIT


H
G
F
E
D
C
B
A
1
2
3
4
5
6
R/C
RMC5591
0239CEZZ
N0363TA
P5591
RC
B+5VAT
GND
R/C
1
2
3
B+5VAT
R5592
22
R5591
470
C5592
0.1u Z
25V
C5591
100u
6.3V
ASM
DUNTKB603DE01

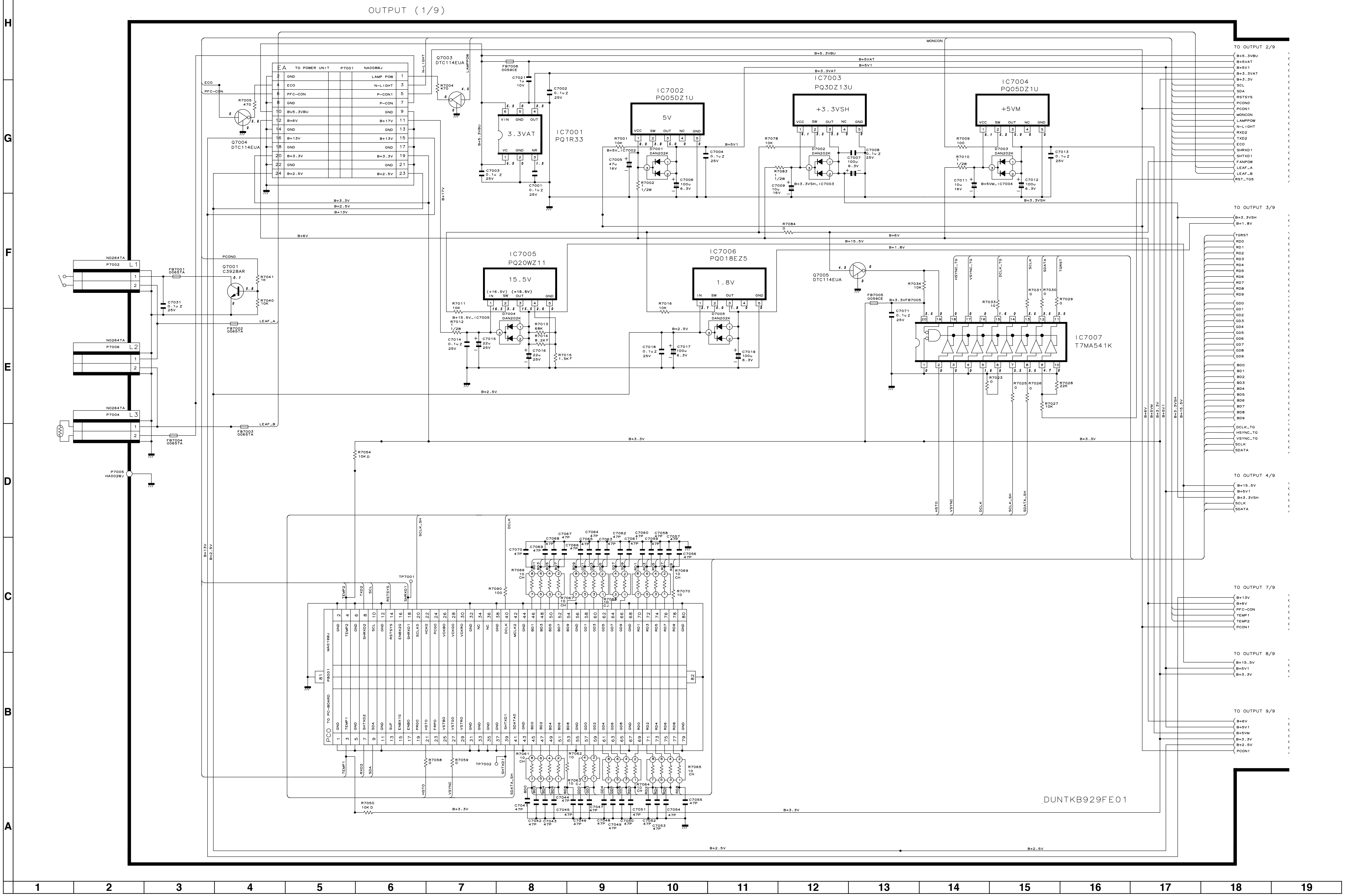
■ INPUT UNIT-1/2 / EINGANGS EINHEIT-1/2


INPUT (1/2)
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
SC3001
N0448FJ
SC3051
N0448FJ
SC3101
N0344FJ
FL3001
N0003TA
FL3002
N0003TA
FL3003
N0003TA
FL3051
N0003TA
FL3052
N0003TA
FL3053
N0003TA
FL3101
N0003TA
FL3102
N0003TA
FL3103
N0003TA
IC3001
BR24C21F
(EEPROM)
IC3051
BR24C21F
(EEPROM)
IC3101
AD8185
IC3102
LM2664
IC3151
1945CE
IC3152
TC7W125U
IC3153
T7WT240U
IC3154
T7WT240U
Q3151
C144EUA
D3102
KDS226
D3103
KDS226
J402
D0403GE
D401
MA3120WA
D402
MA3120WA
FL402
N0514CE
FL403
N0017TA
J431
G0064CE
FB431
0059CE
FL431
N0017TA
J421
J0008GE
PC
J441
J0008GE
OUT
B+5VM_IC3001
B+5VM_L3101
B+5VM_L3102
B+5VM_L3103
B-5VM
B+5VM
L3001
10uH
L3101
10uH
L3102
10uH
L3103
10uH
S-CI
S-YI
VIDEOI
AV-L
AV-R
PC-L
PC-R
OUT-L
OUT-R
PCHI
PCVI
MHI
MVI
HH1
HH2
VV1
VV2
TO INPUT 2/2
IA
TO OUTPUT
SC3102
W3026TA
15 AV-R
14 AV-L
13 GND
12 OUT-L
11 OUT-R
10 GND
9 B+5VM
8 B+5VM
7 GND
6 NC
5 GND
4 PCVI
3 GND
2 PCHI
1 RGB/DVI
PC-L 16
PC-R 17
GND 18
S-YI 19
GND 20
S-CI 21
GND 22
VIDEOI 23
PC1/PC2 24
GND 25
PCB 26
GND 27
PCG 28
GND 29
PCR 30
DUNTKB170DE04

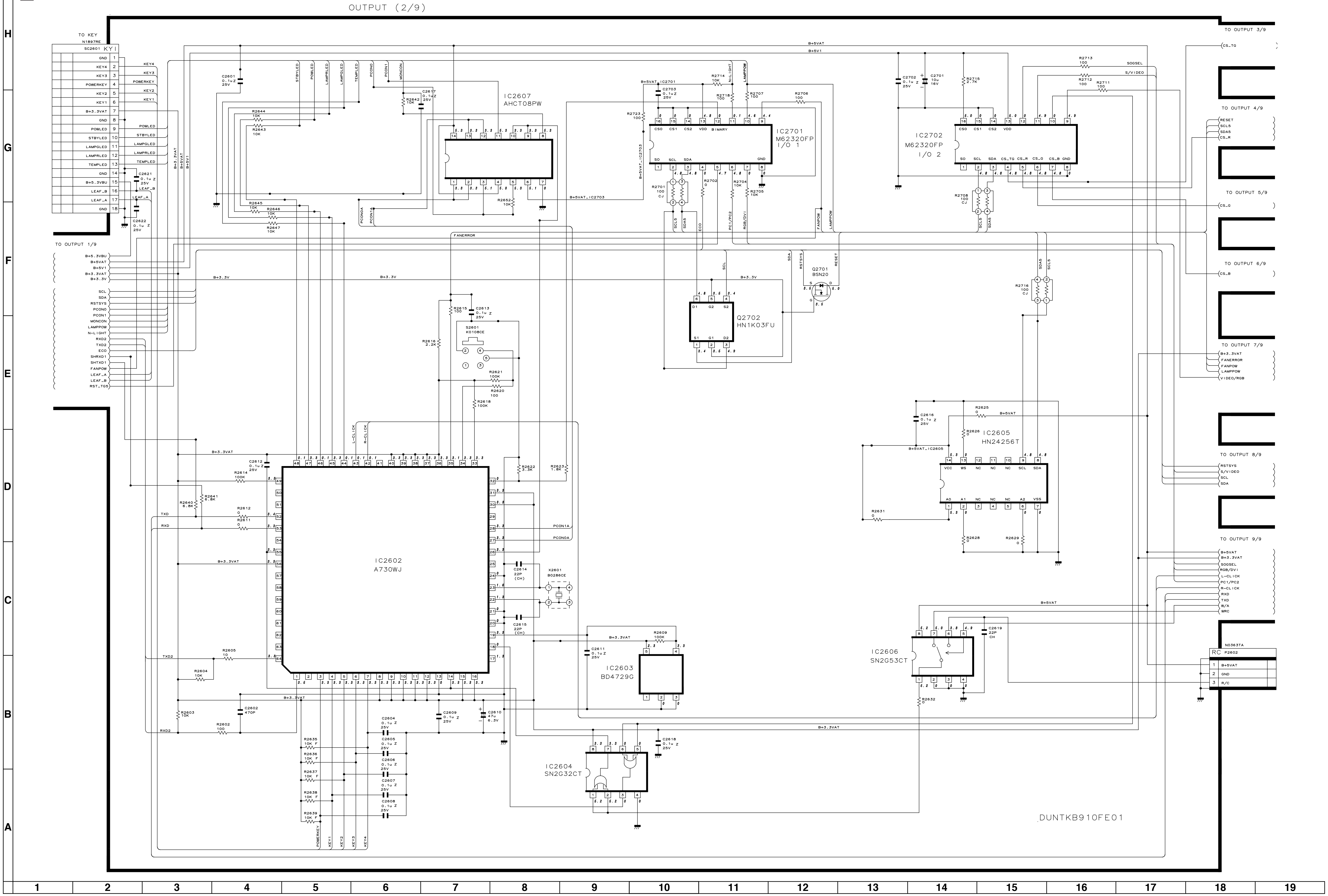
■ INPUT UNIT-2/2 / EINGANGS EINHEIT-2/2


INPUT (2/2)
TO INPUT 1/2
B+5VM
D3608
DAN202K
R3616
3.3K
R3617
3.3K
FB3609
0059CE
B+3.3VAT_IC3601
B+3.3VAT
SD
RD
R3614
100
R3615
100
SC3601
D0901CE
FB3603
0058CE
FB3602
0058CE
*R3613
0
C3606
2.2u
50V
APF
C3605
2.2u
50V
APF
C4+
GND
C4−
VSS
STBY
VCHA
IC3602
UPD4721G
VDD
C1+
VCC
C1−
C5+
C5−
3.9
0
8.8
-8.6
2.2
3.3
-8.6
-8.0
0
-8.0
9.2
2.5
3.3
-0.5
1.2
-1.8
3.3
3.4
3.3
3.3
C3602
2.2u
50V
APF
C3603
2.2u
50V
APF
C3604
2.2u
50V
APF
C3607
0.1uZ
25V
D3606
MA3120WA
12V
D3607
MA3120WA
12V
J5501
J0007TA
FB5501
0058CE
WRC
W/A
R5502
82K
R5501
4.7K
B+5VAT
TXD
RXD
10 NC
9 NC
8 NC
7 R−CLICK
6 GND
5 TXD
4 RXD
3 GND
2 B+3.3VAT
1 GND
NC 11
NC 12
W/A 13
L−CLICK 14
GND 15
NC 16
WRC 17
GND 18
B+5VAT 19
GND 20
IB TO OUTPUT SC3602 W2026TA
DUNTKB170DE04
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

■ OUTPUT UNIT-1/9 / AUSGANGSEINHEIT-1/9


OUTPUT (1/9)
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
EA TO POWER UNIT P7001 NA008WJ
Q7003 DTC114EUA
Q7004 DTC114EUA
Q7001 C3928AR
Q7005 DTC114EUA
IC7001 PQ1R33
3.3VAT
IC7002 PQ05DZ1U
5V
IC7003 PQ3DZ13U
+3.3VSH
IC7004 PQ05DZ1U
+5VM
IC7005 PQ20WZ11
15.5V
IC7006 PQ018EZ5
1.8V
IC7007 T7MA541K
D7001 DAN202K
D7002 DAN202K
D7003 DAN202K
D7004 DAN202K
D7005 DAN202K
P7002 L1
P7006 L2
P7004 L3
P7005 HA002WJ
FB7001 0065TA
FB7002 0065TA
FB7003 0065TA
FB7004 0065TA
FB7005 0059CE
FB7006 0059CE
TO OUTPUT 2/9
TO OUTPUT 3/9
TO OUTPUT 4/9
TO OUTPUT 7/9
TO OUTPUT 8/9
TO OUTPUT 9/9
MONCON
B+5.3VBU
B+5VAT
B+5V1
B+3.3VAT
B+3.3V
B+6V
B+15.5V
B+1.8V
B+2.5V
B+13V
B+17V
B+3.3VSH
B+5VM
PCO TO PC-BOARD P8001 MA019WJ
TP7001
TP7002
DUNTKB929FE01

■ OUTPUT UNIT-2/9 / AUSGANGSEINHEIT-2/9


OUTPUT (2/9)
TO KEY
N1897RE
SC2601 KYI
GND
KEY4
KEY3
POWERKEY
KEY2
KEY1
B+3.3VAT
POWLED
STBYLED
LAMPGLED
LAMPRLED
TEMPLED
B+5.3VBU
LEAF_B
LEAF_A
TO OUTPUT 1/9
B+5V1
B+5VAT
B+3.3V
SCL
SDA
RSTSYS
PCON0
PCON1
MONCON
LAMPPOW
N-LIGHT
RXD2
TXD2
ECO
SHRXD1
SHTXD1
FANPOW
RST_TG5
IC2607
AHCT08PW
IC2602
A730WJ
IC2701
M62320FP
I/O 1
IC2702
M62320FP
I/O 2
Q2701
BSN20
Q2702
HN1K03FU
S2601
K0108CE
X2601
B0286CE
IC2605
HN24256T
IC2606
SN2G53CT
IC2603
BD4729G
IC2604
SN2G32CT
L-CLICK
R-CLICK
FANERROR
PCON1A
PCON0A
SOGSEL
S/VIDEO
RGB/DVI
PC1/PC2
TO OUTPUT 3/9
CS_TG
TO OUTPUT 4/9
RESET
SCL5
SDA5
CS_R
TO OUTPUT 5/9
CS_G
TO OUTPUT 6/9
CS_B
TO OUTPUT 7/9
VIDEO/RGB
TO OUTPUT 8/9
TO OUTPUT 9/9
TXD
RXD
W/A
WRC
N0363TA
RC P2602
B+5VAT
GND
R/C
DUNTKB910FE01
H
G
F
E
D
C
B
A
1
2
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4
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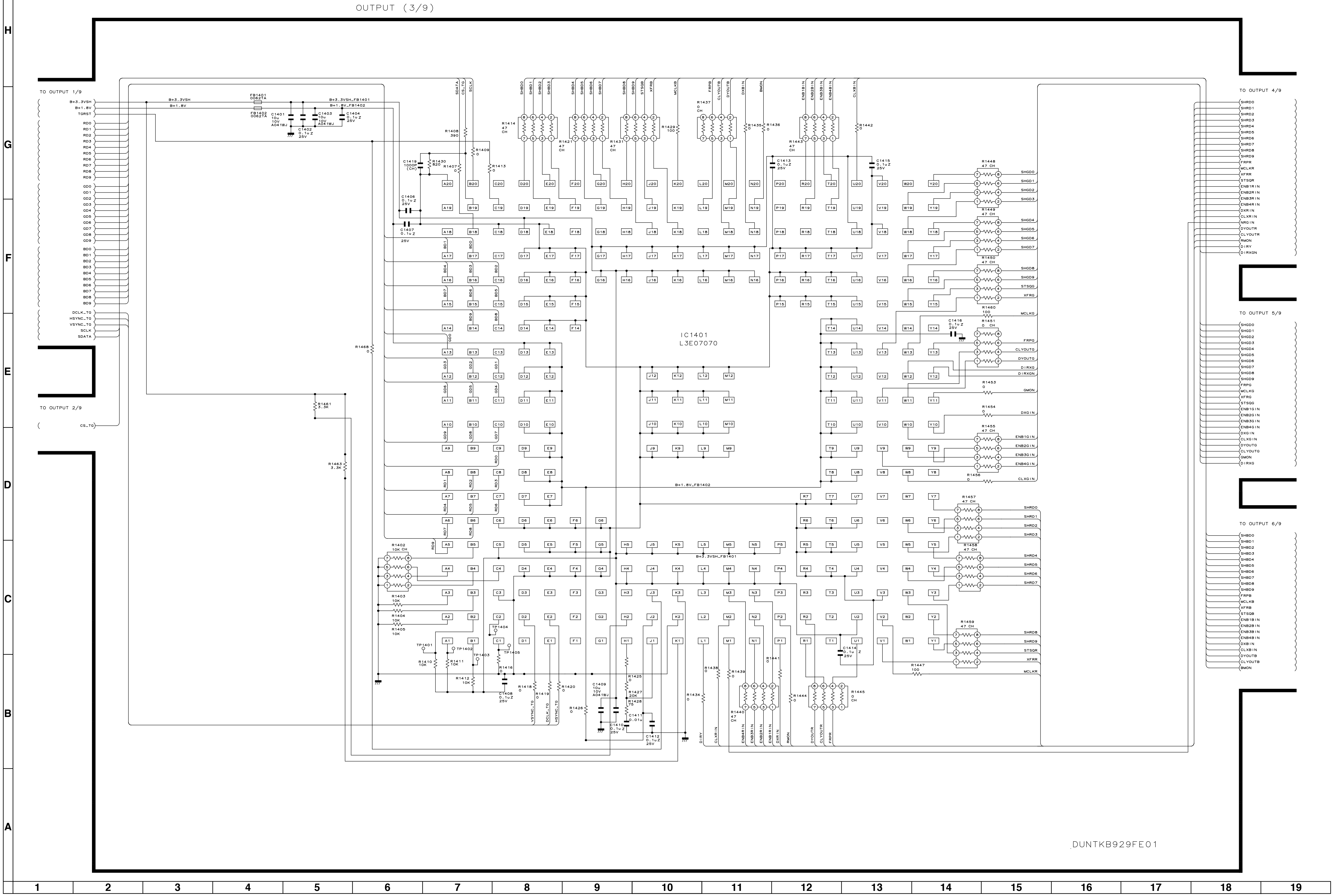
■ OUTPUT UNIT-3/9 / AUSGANGSEINHEIT-3/9


OUTPUT (3/9)
TO OUTPUT 1/9
TO OUTPUT 2/9
TO OUTPUT 4/9
TO OUTPUT 5/9
TO OUTPUT 6/9
B+3.3VSH
B+1.8V
TGRST
FB1401 0062TA
FB1402 0062TA
B+3.3VSH_FB1401
B+1.8V_FB1402
IC1401
L3E07070
DCLK_TG
HSYNC_TG
VSYNC_TG
SCLK
SDATA
CS_TG
DUNTKB929FE01
H
G
F
E
D
C
B
A
1
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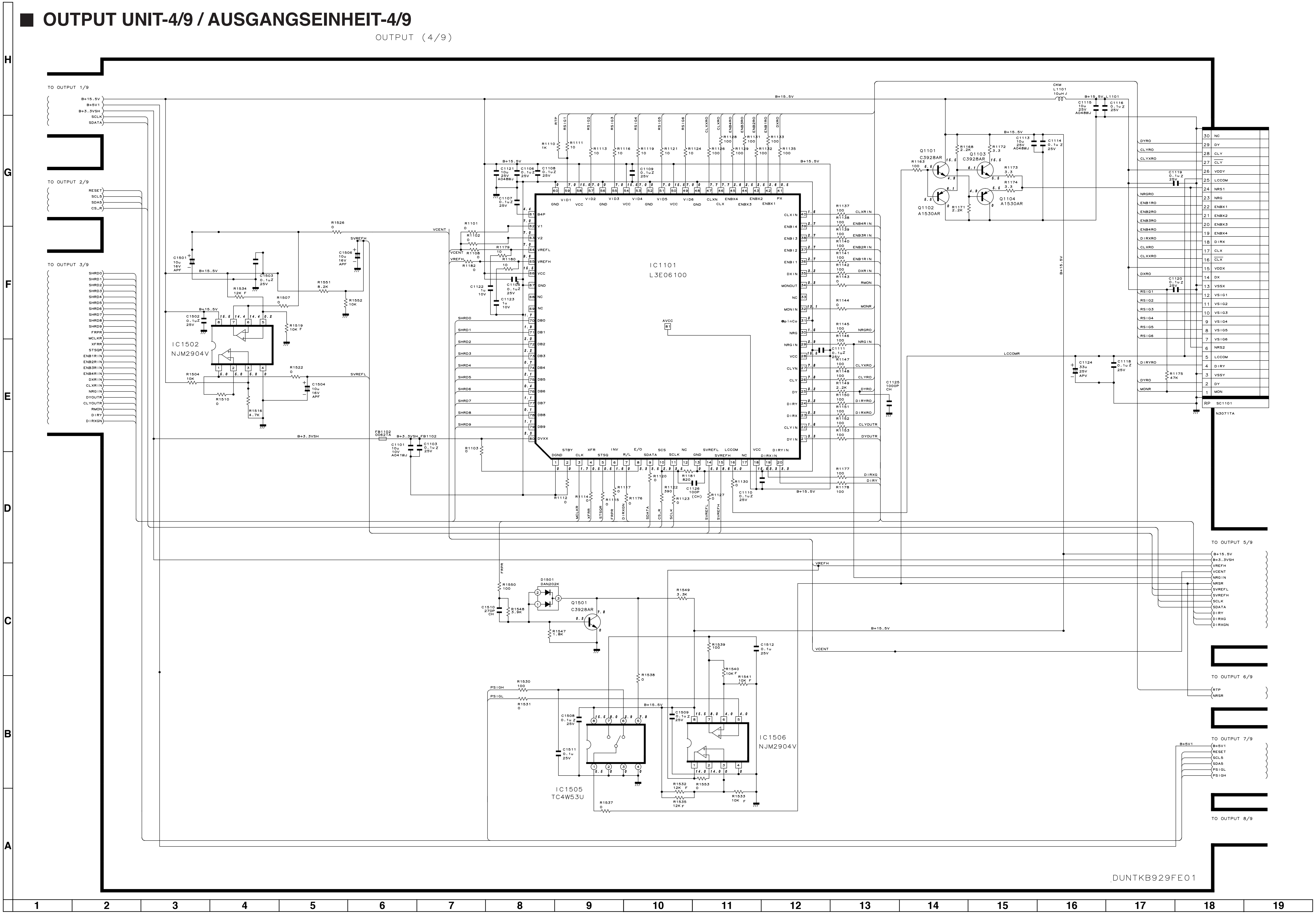
■ OUTPUT UNIT-4/9 / AUSGANGSEINHEIT-4/9


OUTPUT (4/9)
TO OUTPUT 1/9
TO OUTPUT 2/9
TO OUTPUT 3/9
TO OUTPUT 5/9
TO OUTPUT 6/9
TO OUTPUT 7/9
TO OUTPUT 8/9
IC1101
L3E06100
IC1502
NJM2904V
IC1505
TC4W53U
IC1506
NJM2904V
Q1101
C3928AR
Q1102
A1530AR
Q1103
C3928AR
Q1104
A1530AR
Q1501
C3928AR
D1501
DAN202K
SC1101
N3071TA
B+15.5V
B+3.3VSH
DUNTKB929FE01
H
G
F
E
D
C
B
A
1
2
3
4
5
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16
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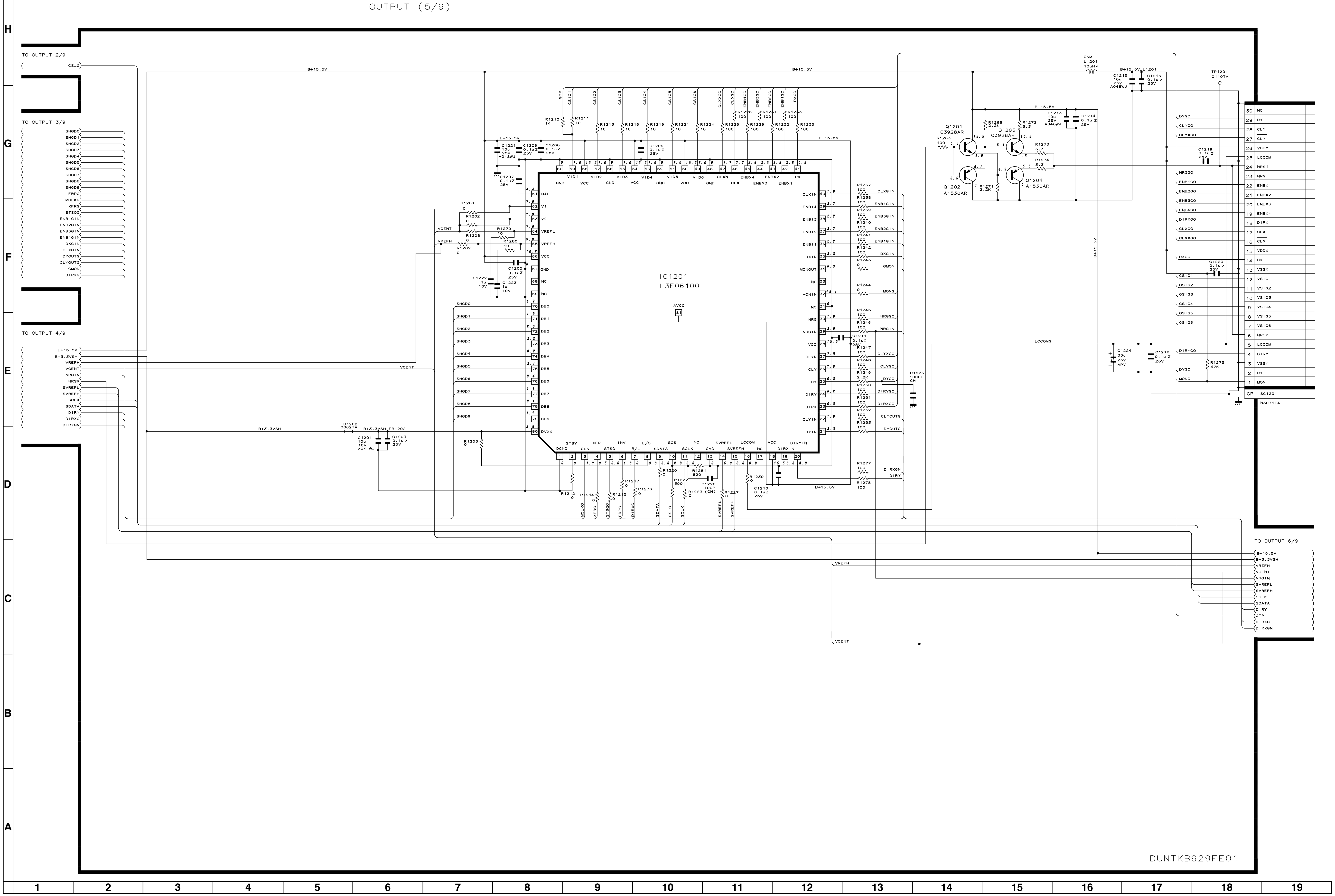
■ OUTPUT UNIT-5/9 / AUSGANGSEINHEIT-5/9


OUTPUT (5/9)
TO OUTPUT 2/9
TO OUTPUT 3/9
TO OUTPUT 4/9
TO OUTPUT 6/9
IC1201
L3E06100
Q1201
C3928AR
Q1203
C3928AR
Q1202
A1530AR
Q1204
A1530AR
L1201
10uH J
TP1201
0110TA
SC1201
N3071TA
FB1201
FB1202
0062TA
B+15.5V
B+3.3VSH
VREFH
VREFL
VCENT
LCCOMG
AVCC
DUNTKB929FE01
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
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16
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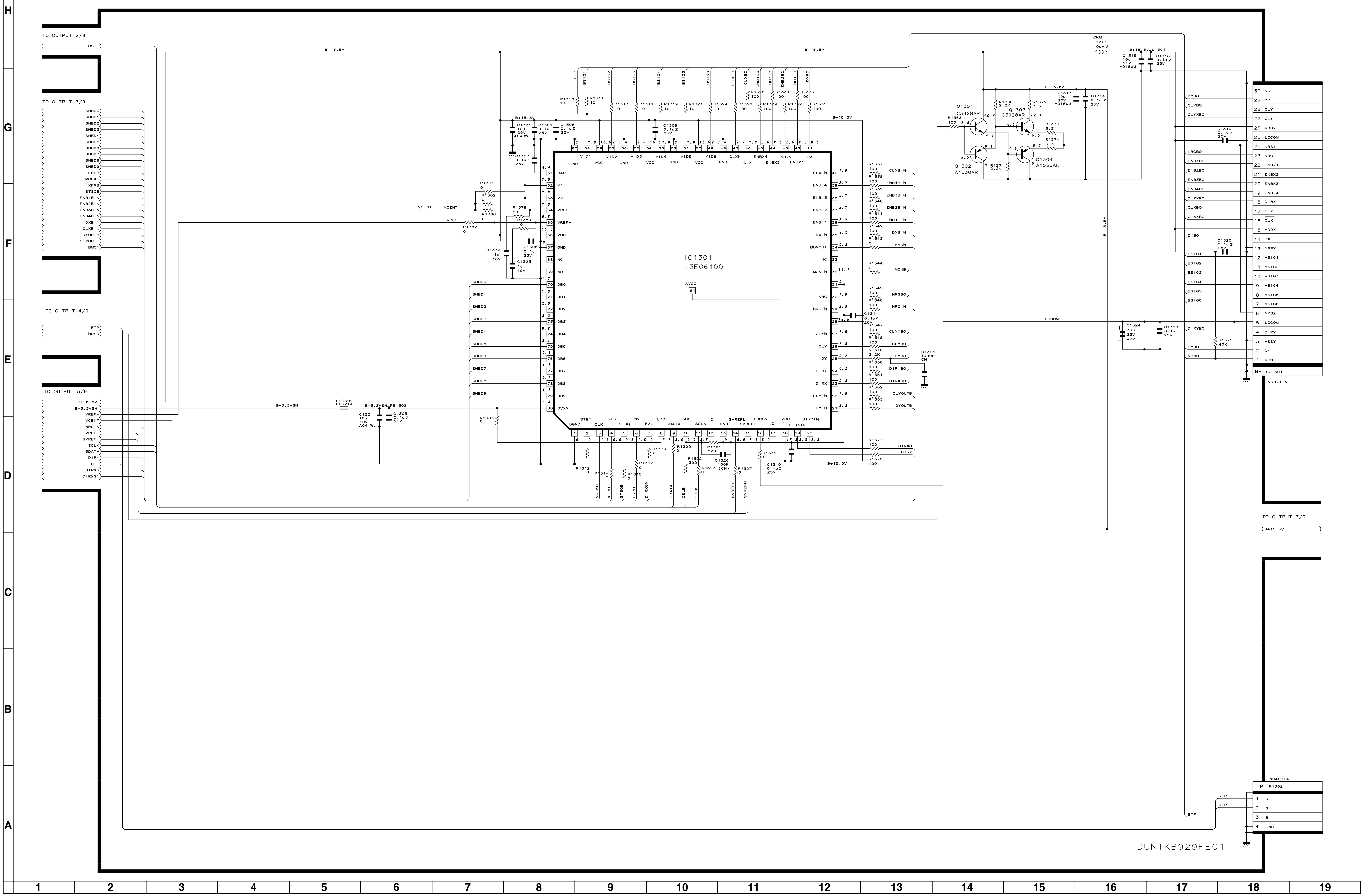
■ OUTPUT UNIT-6/9 / AUSGANGSEINHEIT-6/9

OUTPUT (6/9)


TO OUTPUT 2/9
CS_B
TO OUTPUT 3/9
TO OUTPUT 4/9
RTP
NRSR
TO OUTPUT 5/9
B+15.5V
B+3.3VSH
VREFH
VCENT
NRGIN
SVREFL
SVREFH
SCLK
SDATA
DIRY
GTP
DIRXG
DIRXGN
IC1301
L3E06100
Q1301 C3928AR
Q1302 A1530AR
Q1303 C3928AR
Q1304 A1530AR
CKM L1301 10uH J
FB1302 0062TA
SC1301
N3071TA
TO OUTPUT 7/9
N0463TA
TP P1302
DUNTKB929FE01
H
G
F
E
D
C
B
A
1
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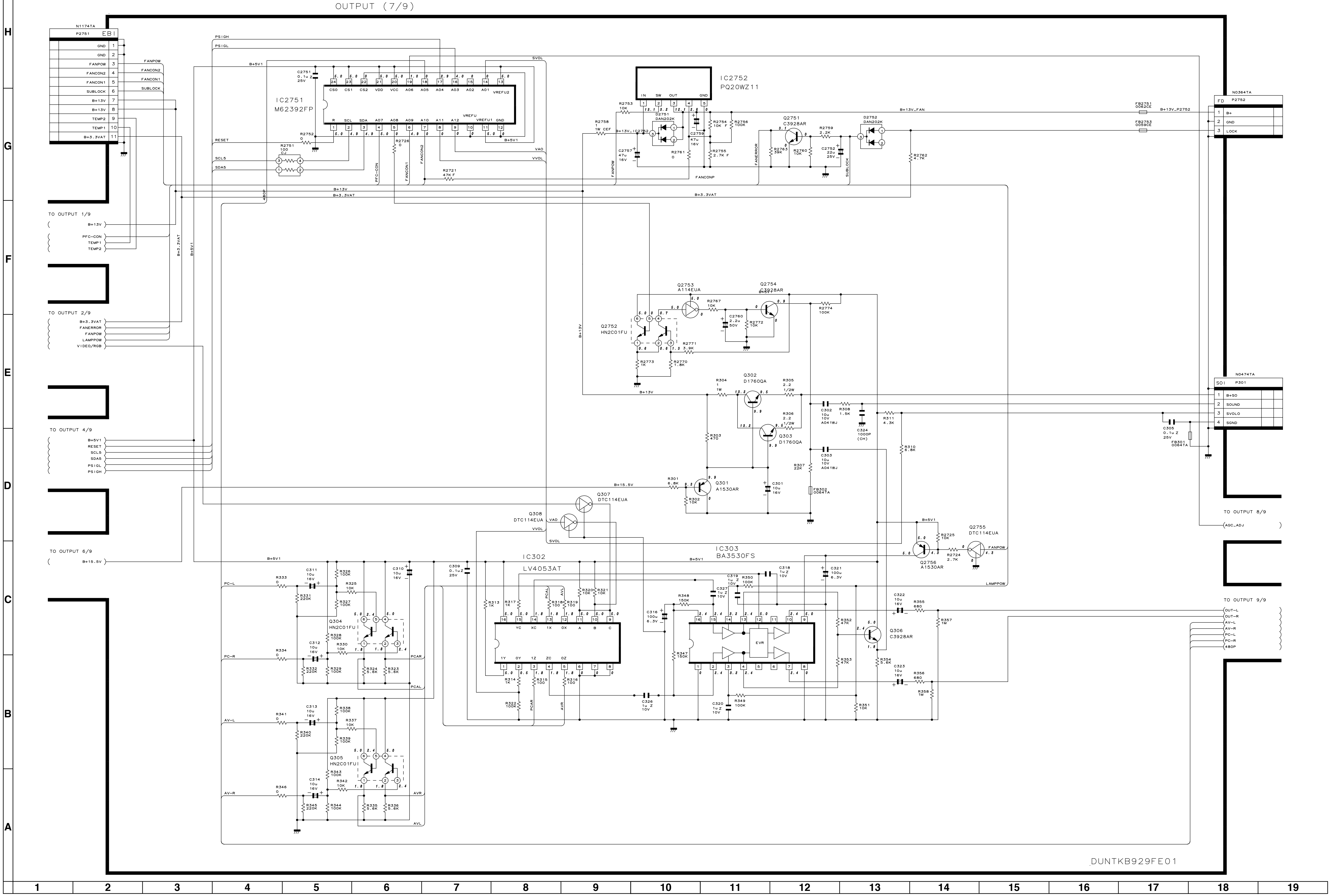
■ OUTPUT UNIT-7/9 / AUSGANGSEINHEIT-7/9


OUTPUT (7/9)
N1174TA
P2751 EBI
GND
FANPOW
FANCON2
FANCON1
SUBLOCK
B+13V
TEMP2
TEMP1
B+3.3VAT
PSIGH
PSIGL
B+5V1
RESET
SCL5
SDA5
IC2751
M62392FP
IC2752
PQ20WZ11
Q2751
C3928AR
D2751
DAN202K
D2752
DAN202K
FB2751
0062CE
FB2753
0059CE
B+13V_FAN
B+13V_P2752
N0364TA
FD P2752
B+
LOCK
FANERROR
FANCONP
TO OUTPUT 1/9
PFC-CON
TO OUTPUT 2/9
LAMPPOW
VIDEO/RGB
TO OUTPUT 4/9
TO OUTPUT 6/9
B+15.5V
Q2753
A114EUA
Q2754
C3928AR
Q2752
HN2C01FU
Q302
D1760QA
Q303
D1760QA
Q301
A1530AR
N0474TA
SOI P301
B+SO
SOUND
SVOLO
SGND
FB301
0064TA
FB302
0064TA
TO OUTPUT 8/9
AGC_ADJ
Q307
DTC114EUA
Q308
DTC114EUA
VAO
VVOL
SVOL
IC302
LV4053AT
IC303
BA3530FS
EVR
Q2755
DTC114EUA
Q2756
A1530AR
Q304
HN2C01FU
Q305
HN2C01FU
Q306
C3928AR
PC-L
PC-R
AV-L
AV-R
PCAR
PCAL
AVR
AVL
TO OUTPUT 9/9
OUT-L
OUT-R
AV-L
AV-R
PC-L
PC-R
480P
DUNTKB929FE01
H
G
F
E
D
C
B
A
1
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4
5
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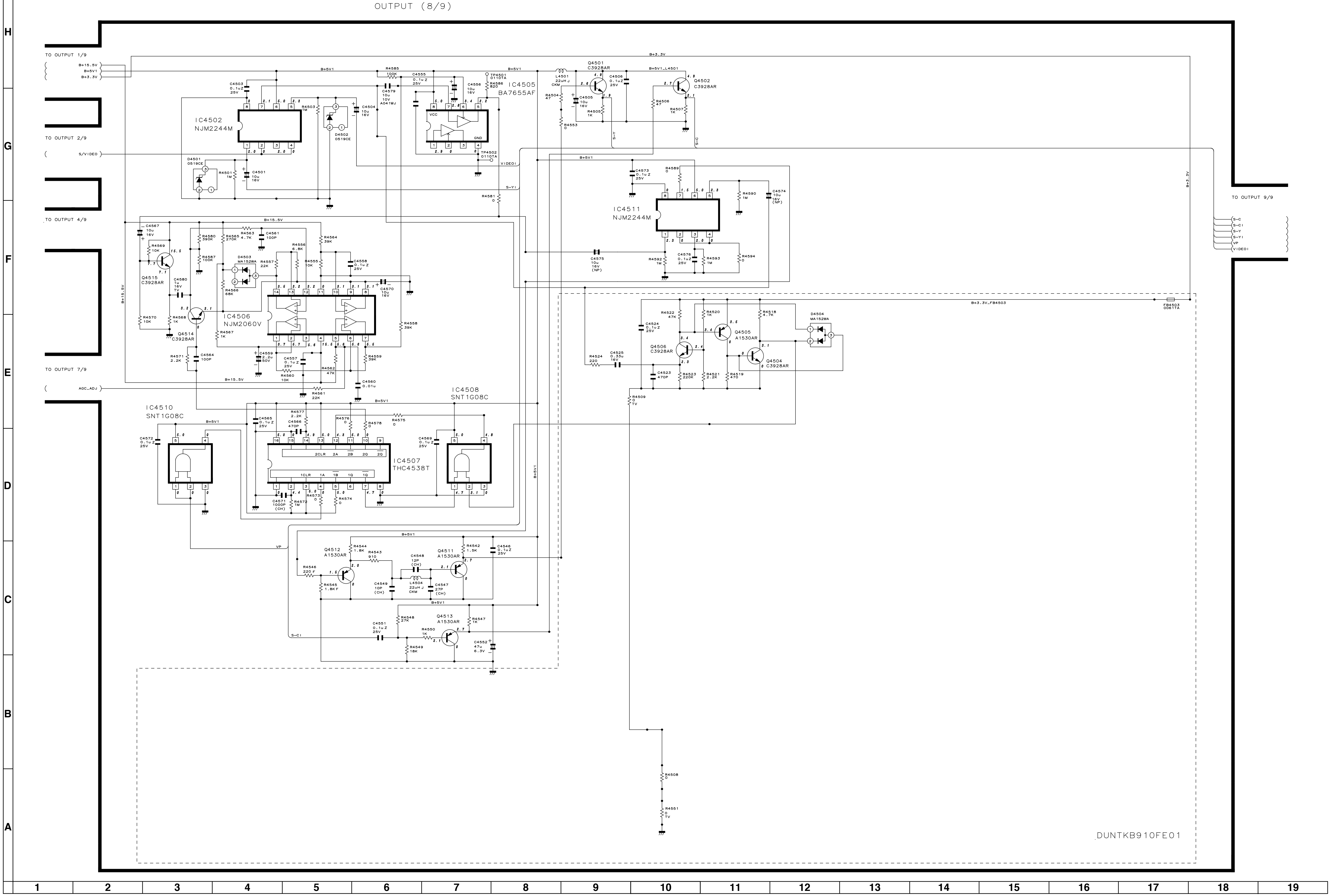
■ OUTPUT UNIT-8/9 / AUSGANGSEINHEIT-8/9


OUTPUT (8/9)
TO OUTPUT 1/9
B+15.5V
B+5V1
B+3.3V
TO OUTPUT 2/9
S/VIDEO
TO OUTPUT 4/9
TO OUTPUT 7/9
AGC_ADJ
TO OUTPUT 9/9
S-C
S-CI
S-Y
S-YI
VP
VIDEOI
IC4502
NJM2244M
IC4505
BA7655AF
IC4511
NJM2244M
IC4506
NJM2060V
IC4507
THC4538T
IC4508
SNT1G08C
IC4510
SNT1G08C
Q4501
C3928AR
Q4502
C3928AR
Q4504
C3928AR
Q4505
A1530AR
Q4506
C3928AR
Q4511
A1530AR
Q4512
A1530AR
Q4513
A1530AR
Q4514
C3928AR
Q4515
C3928AR
D4501
0519CE
D4502
0519CE
D4503
MA152WA
D4504
MA152WA
L4501
22uH J
L4504
22uH J
FB4503
0061TA
TP4501
0110TA
TP4502
0110TA
B+3.3V_FB4503
B+5V1_L4501
DUNTKB910FE01
H
G
F
E
D
C
B
A
1
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3
4
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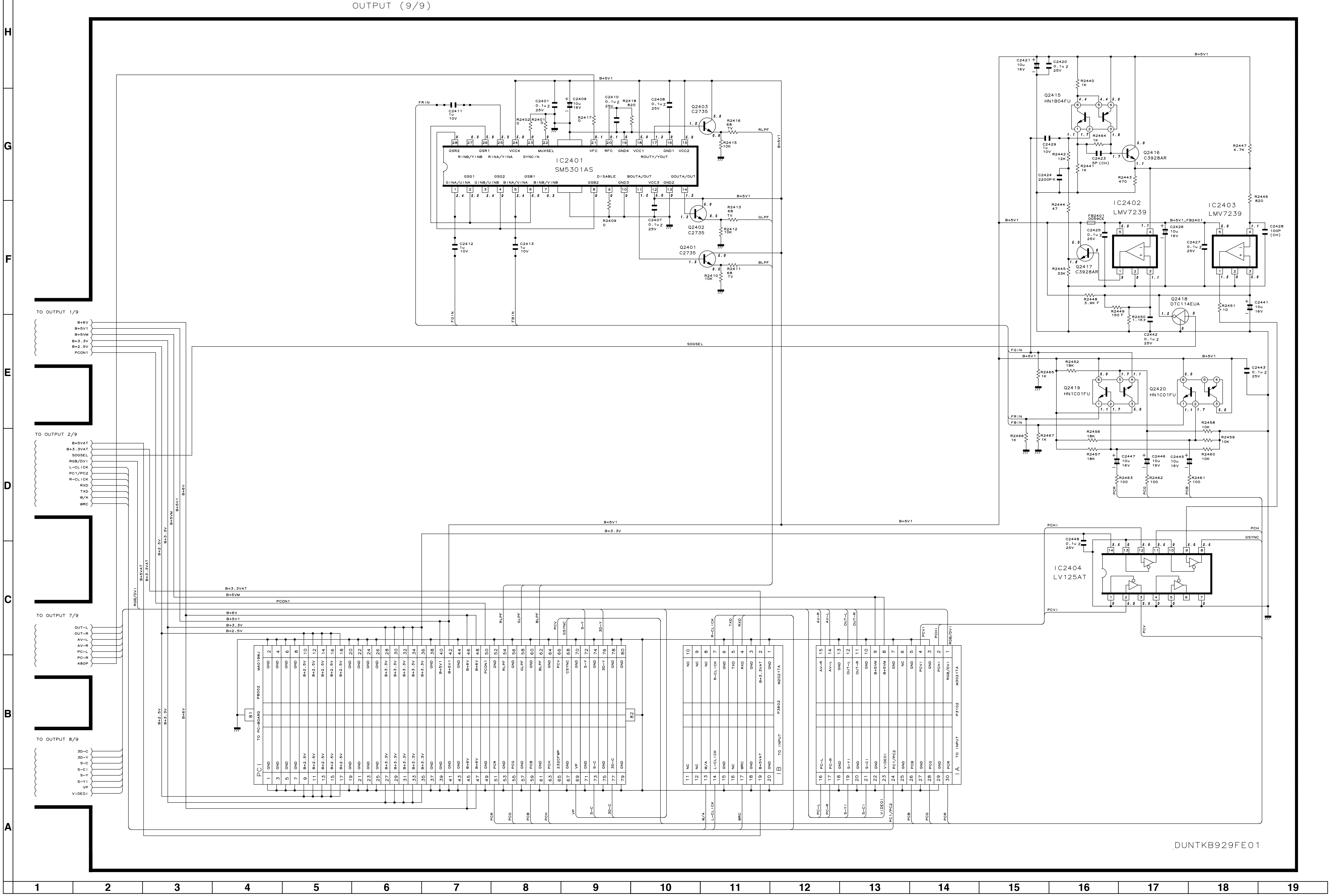
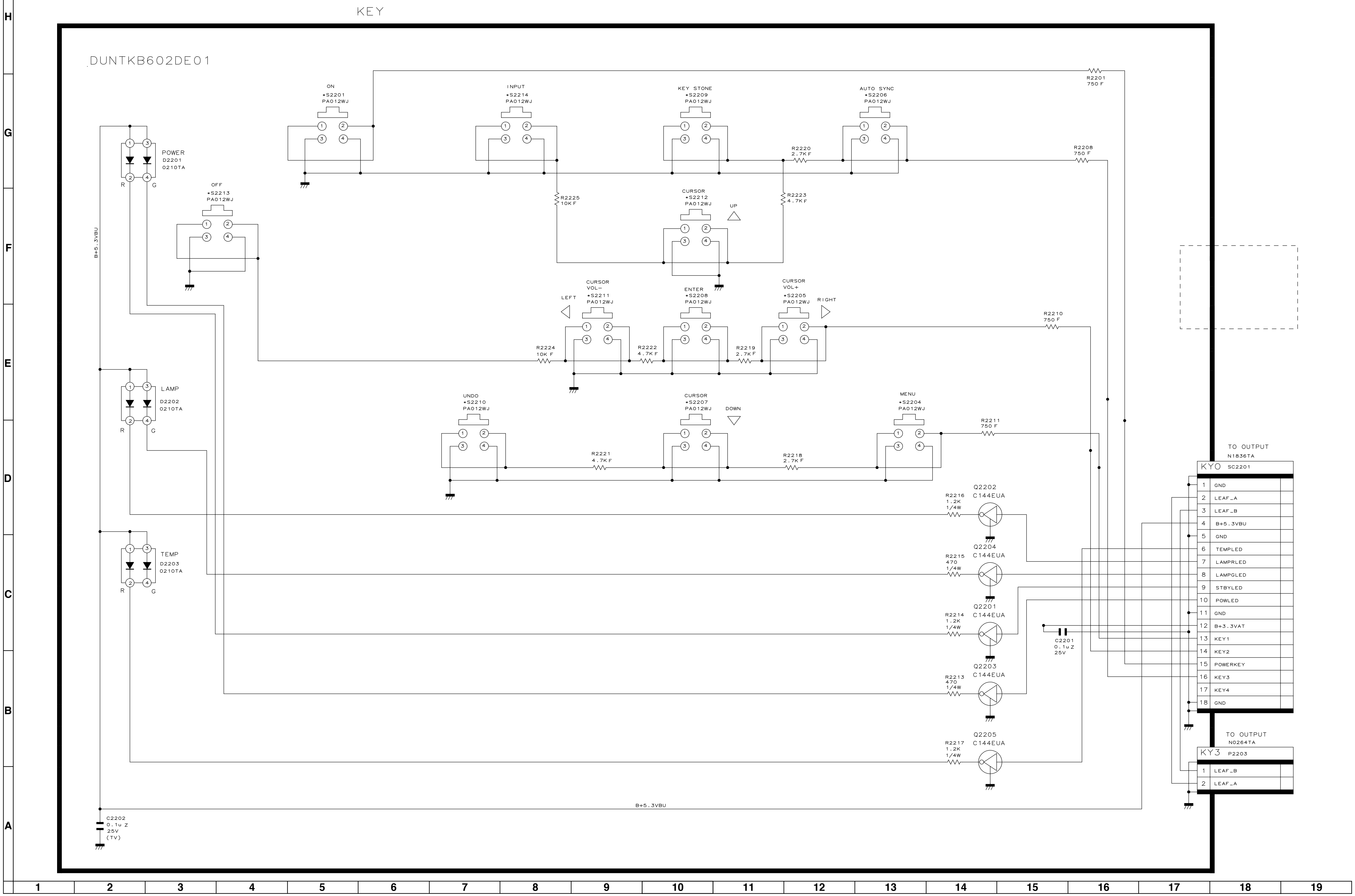
■ OUTPUT UNIT-9/9 / AUSGANGSEINHEIT-9/9


OUTPUT (9/9)
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
IC2401
SM5301AS
IC2402
LMV7239
IC2403
LMV7239
IC2404
LV125AT
Q2401
C2735
Q2402
C2735
Q2403
C2735
Q2415
HN1B04FU
Q2416
C3928AR
Q2417
C3928AR
Q2418
DTC114EUA
Q2419
HN1C01FU
Q2420
HN1C01FU
FB2401
B+5V1
B+3.3V
SOGSEL
FRIN
FBIN
FGIN
RLPF
GLPF
BLPF
PCH
PCHI
PCVI
PCV
GSYNC
TO OUTPUT 1/9
B+6V
B+5V1
B+5VM
B+3.3V
B+2.5V
PCON1
TO OUTPUT 2/9
B+5VAT
B+3.3VAT
SOGSEL
RGB/DVI
L-CLICK
PC1/PC2
R-CLICK
RXD
TXD
W/A
WRC
TO OUTPUT 7/9
OUT-L
OUT-R
AV-L
AV-R
PC-L
PC-R
480P
TO OUTPUT 8/9
3D-C
3D-Y
S-C
S-CI
S-Y
S-YI
VP
VIDEOI
PC1
TO PC-BOARD
P8002
MA019WJ
IB
TO INPUT
P3602
M2021TA
IA
TO INPUT
P3102
M3021TA
DUNTKB929FE01

■ KEY UNIT / SCHLÜSSELEINHEIT


KEY
DUNTKB602DE01
ON
*S2201
PA012WJ
INPUT
*S2214
PA012WJ
KEY STONE
*S2209
PA012WJ
AUTO SYNC
*S2206
PA012WJ
R2201
750 F
POWER
D2201
0210TA
R
G
R2220
2.7K F
R2208
750 F
OFF
*S2213
PA012WJ
R2225
10K F
CURSOR
*S2212
PA012WJ
UP
R2223
4.7K F
B+5.3VBU
CURSOR
VOL−
*S2211
PA012WJ
LEFT
ENTER
*S2208
PA012WJ
CURSOR
VOL+
*S2205
PA012WJ
RIGHT
R2210
750 F
R2224
10K F
R2222
4.7K F
R2219
2.7K F
LAMP
D2202
0210TA
R
G
UNDO
*S2210
PA012WJ
CURSOR
*S2207
PA012WJ
DOWN
MENU
*S2204
PA012WJ
R2211
750 F
R2221
4.7K F
R2218
2.7K F
TO OUTPUT
N1836TA
KY0 SC2201
1 GND
2 LEAF_A
3 LEAF_B
4 B+5.3VBU
5 GND
6 TEMPLED
7 LAMPRLED
8 LAMPGLED
9 STBYLED
10 POWLED
11 GND
12 B+3.3VAT
13 KEY1
14 KEY2
15 POWERKEY
16 KEY3
17 KEY4
18 GND
Q2202
C144EUA
R2216
1.2K
1/4W
TEMP
D2203
0210TA
R
G
Q2204
C144EUA
R2215
470
1/4W
Q2201
C144EUA
R2214
1.2K
1/4W
C2201
0.1u Z
25V
Q2203
C144EUA
R2213
470
1/4W
Q2205
C144EUA
R2217
1.2K
1/4W
TO OUTPUT
N0264TA
KY3 P2203
1 LEAF_B
2 LEAF_A
B+5.3VBU
C2202
0.1u Z
25V
(TV)
H
G
F
E
D
C
B
A
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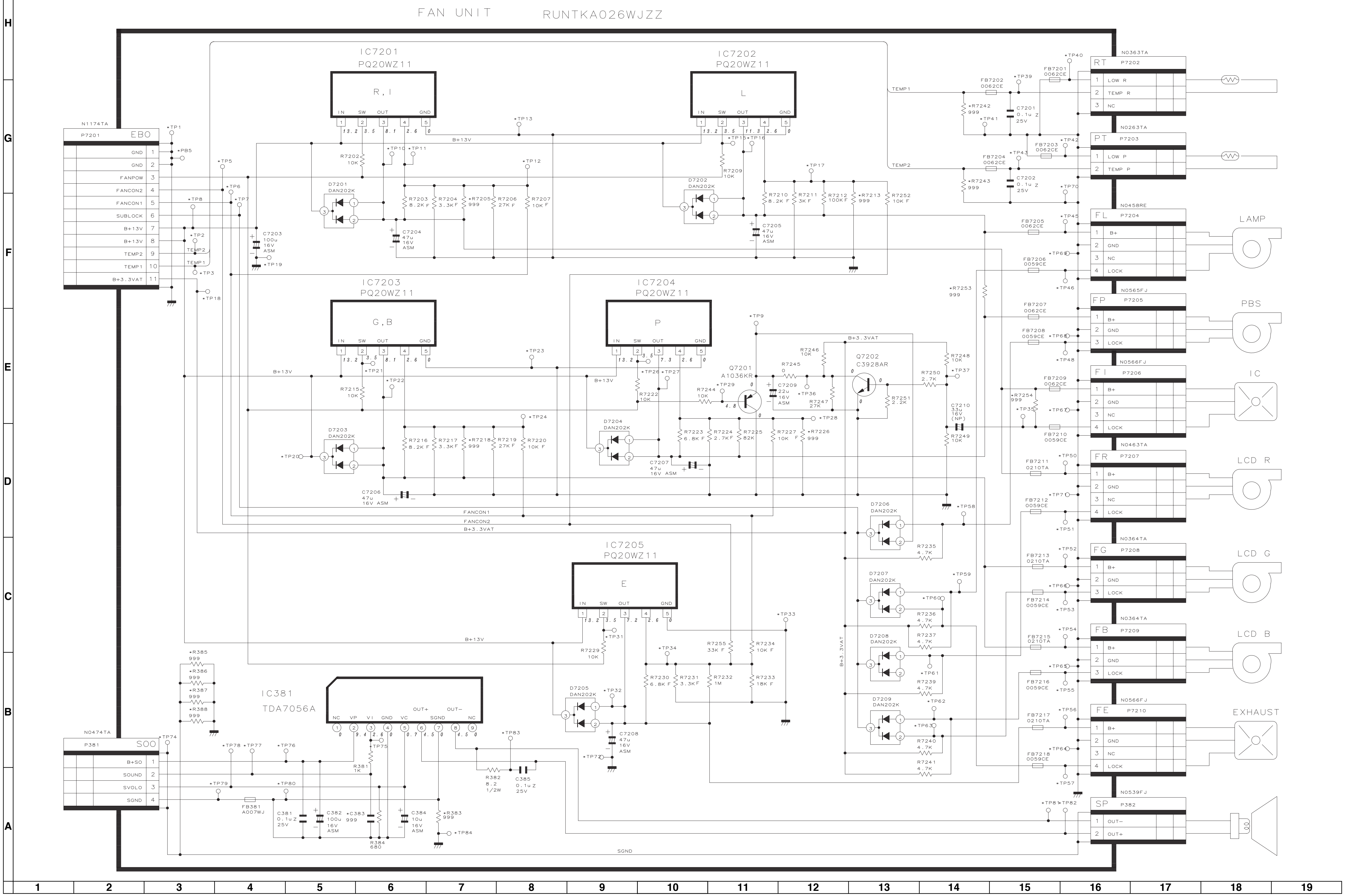
]

■ FAN UNIT / GEBLÄSE-HINHEIT


FAN UNIT
RUNTKA026WJZZ
IC7201
PQ20WZ11
R, I
IC7202
PQ20WZ11
L
IC7203
PQ20WZ11
G, B
IC7204
PQ20WZ11
P
IC7205
PQ20WZ11
E
IN SW OUT GND
IC381
TDA7056A
NC VP VI GND VC SGND NC
OUT+ OUT−
N1174TA
P7201
EBO
GND 1
GND 2
FANPOW 3
FANCON2 4
FANCON1 5
SUBLOCK 6
B+13V 7
B+13V 8
TEMP2 9
TEMP1 10
B+3.3VAT 11
N0474TA
P381
SOO
B+SO 1
SOUND 2
SVOLO 3
SGND 4
Q7201
A1036KR
Q7202
C3928AR
D7201
DAN202K
D7202
DAN202K
D7203
DAN202K
D7204
DAN202K
D7205
DAN202K
D7206
DAN202K
D7207
DAN202K
D7208
DAN202K
D7209
DAN202K
C7203
100u
16V
ASM
C7204
47u
16V
ASM
C7205
47u
16V
ASM
C7206
47u
16V ASM
C7207
47u
16V ASM
C7208
47u
16V
ASM
C7209
22u
16V
ASM
C7210
33u
16V
(NP)
C7201
0.1u Z
25V
C7202
0.1u Z
25V
R7202
10K
R7203
8.2K F
R7204
3.3K F
R7205
999
R7206
27K F
R7207
10K F
R7209
10K
R7210
8.2K F
R7211
3K F
R7212
100K F
R7213
999
R7252
10K F
R7215
10K
R7216
8.2K F
R7217
3.3K F
R7218
999
R7219
27K F
R7220
10K F
R7222
10K
R7223
6.8K F
R7224
2.7K F
R7225
82K
R7227
10K F
R7226
999
R7244
10K
R7245
0
R7246
10K
R7247
27K
R7248
10K
R7250
2.7K
R7251
2.2K
R7249
10K
R7253
999
R7254
999
R7229
10K
R7230
6.8K F
R7231
3.3K F
R7232
1M
R7233
18K F
R7234
10K F
R7255
33K F
R7235
4.7K
R7236
4.7K
R7237
4.7K
R7239
4.7K
R7240
4.7K
R7241
4.7K
R7242
999
R7243
999
R381
1K
R382
8.2
1/2W
R383
999
R384
680
R385
999
R386
999
R387
999
R388
999
C381
0.1u Z
25V
C382
100u
16V
ASM
C383
999
C384
10u
16V
ASM
C385
0.1u Z
25V
FB381
A007WJ
B+13V
B+3.3VAT
FANCON1
FANCON2
TEMP1
TEMP2
SGND
N0363TA
RT P7202
1 LOW R
2 TEMP R
3 NC
N0263TA
PT P7203
1 LOW P
2 TEMP P
N0458RE
FL P7204
1 B+
2 GND
3 NC
4 LOCK
LAMP
N0565FJ
FP P7205
1 B+
2 GND
3 LOCK
PBS
N0566FJ
FI P7206
1 B+
2 GND
3 NC
4 LOCK
IC
N0463TA
FR P7207
1 B+
2 GND
3 NC
4 LOCK
LCD R
N0364TA
FG P7208
1 B+
2 GND
3 LOCK
LCD G
N0364TA
FB P7209
1 B+
2 GND
3 LOCK
LCD B
N0566FJ
FE P7210
1 B+
2 GND
3 NC
4 LOCK
EXHAUST
N0539FJ
SP P382
1 OUT−
2 OUT+
FB7201
0062CE
FB7202
0062CE
FB7203
0062CE
FB7204
0062CE
FB7205
0062CE
FB7206
0059CE
FB7207
0062CE
FB7208
0059CE
FB7209
0062CE
FB7210
0059CE
FB7211
0210TA
FB7212
0059CE
FB7213
0210TA
FB7214
0059CE
FB7215
0210TA
FB7216
0059CE
FB7217
0210TA
FB7218
0059CE
H
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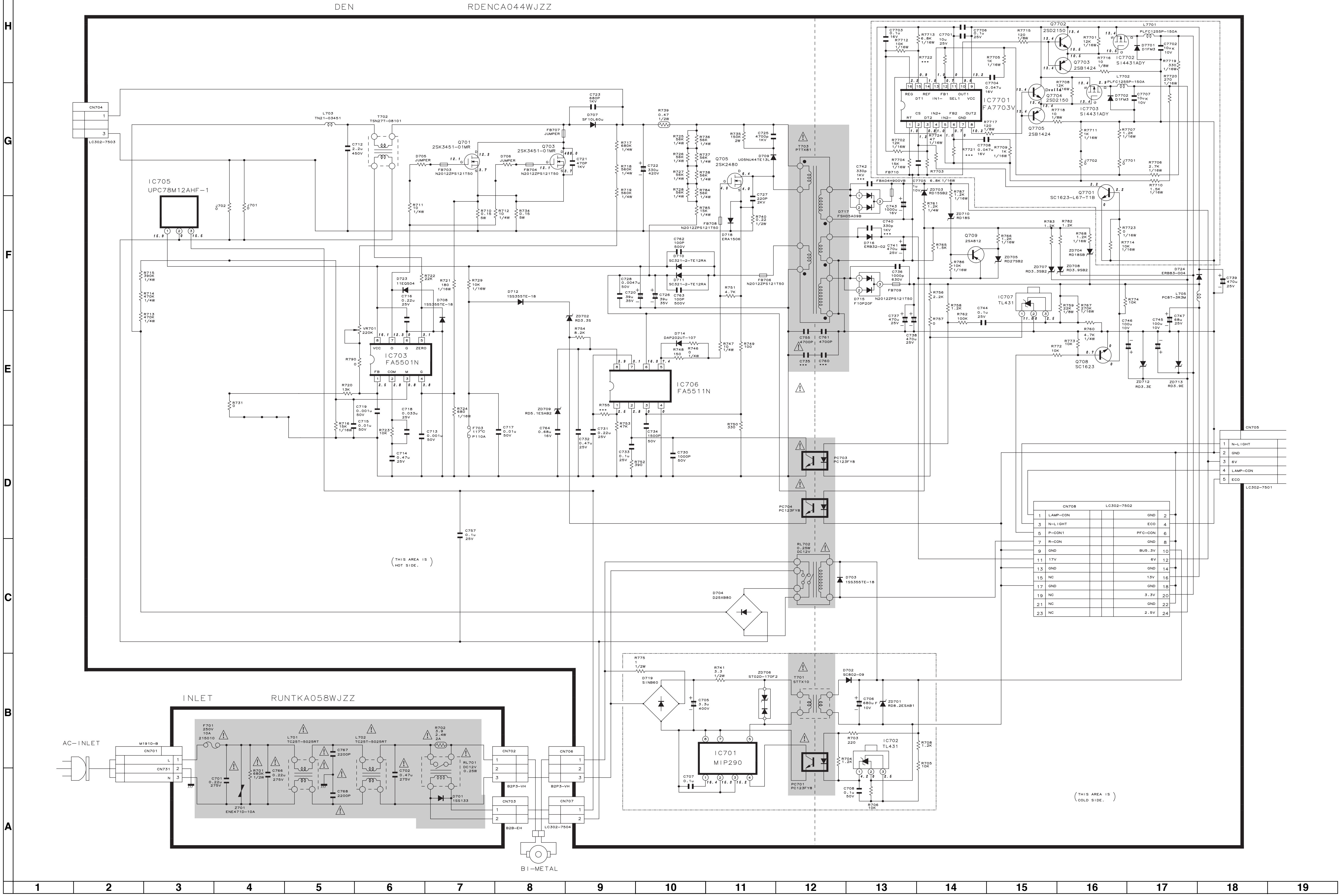
■ AC INLET and POWER UNIT / AC EINGANGS-und NETZ-EINHEIT


DEN
RDENCA044WJZZ
INLET
RUNTKA058WJZZ
AC-INLET
BI-METAL
(THIS AREA IS HOT SIDE.)
(THIS AREA IS COLD SIDE.)
IC705 UPC78M12AHF-1
IC703 FA5501N
IC706 FA5511N
IC7701 FA7703V
IC7702 SI4431ADY
IC7703 SI4431ADY
IC701 MIP290
IC702 TL431
IC707 TL431
Q701 2SK3451-01MR
Q703 2SK3451-01MR
Q705 2SK2480
Q709 2SA812
Q7701 SC1623-L67-T1B
Q7702 2SD2150
Q7703 2SB1424
Q7704 2SD2150
Q7705 2SB1424
Q708 SC1623
T701 STTX10
T702 TSN27T-08101
T703 PTTX81
L703 TN21-03451
L701 TC25T-5025RT
L702 TC25T-5025RT
L7701 PLFC1255P-150A
L7702 PLFC1255P-150A
L705 PC8T-3R3M
PC701 PC123FY8
PC703 PC123FY8
PC704 PC123FY8
RL701 DC12V 0.25W
RL702 0.25W DC12V
D704 D25XB80
D719 S1NB60
F701 250V 10A 215010
F703 117°C P110A
Z701 ENE471D-10A
CN701
CN702
CN703
CN704
CN705
CN706
CN707
CN708
LC302-7501
LC302-7502
LC302-7503
LC302-7504
1 N-LIGHT
2 GND
3 6V
4 LAMP-CON
5 ECO
1 LAMP-CON / GND 2
3 N-LIGHT / ECO 4
5 P-CON1 / PFC-CON 6
7 R-CON / GND 8
9 GND / BU5.3V 10
11 17V / 6V 12
13 GND / GND 14
15 NC / 13V 16
17 GND / GND 18
19 NC / 3.3V 20
21 NC / GND 22
23 NC / 2.5V 24
H
G
F
E
D
C
B
A
1
2
3
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5
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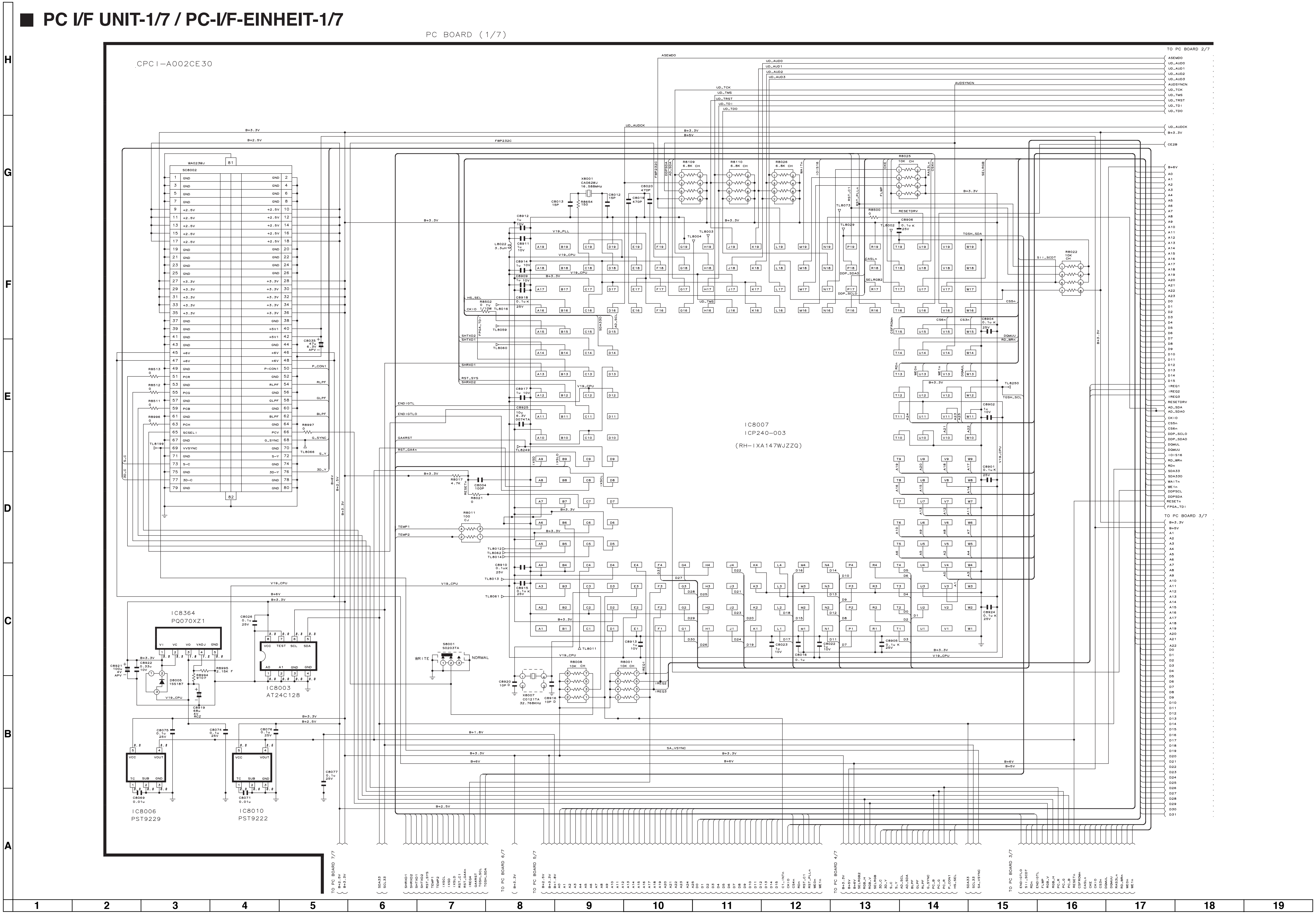
■ PC I/F UNIT-1/7 / PC-I/F-EINHEIT-1/7


PC BOARD (1/7)
CPCI-A002CE30
SC8002
IC8007
ICP240-003
(RH-IXA147WJZZQ)
IC8364
PQ070XZ1
IC8003
AT24C128
IC8006
PST9229
IC8010
PST9222
X8001
X8007
S8001
S0203TA
WRITE
NORMAL
TO PC BOARD 2/7
TO PC BOARD 3/7
TO PC BOARD 4/7
TO PC BOARD 5/7
TO PC BOARD 6/7
TO PC BOARD 7/7
H
G
F
E
D
C
B
A
1
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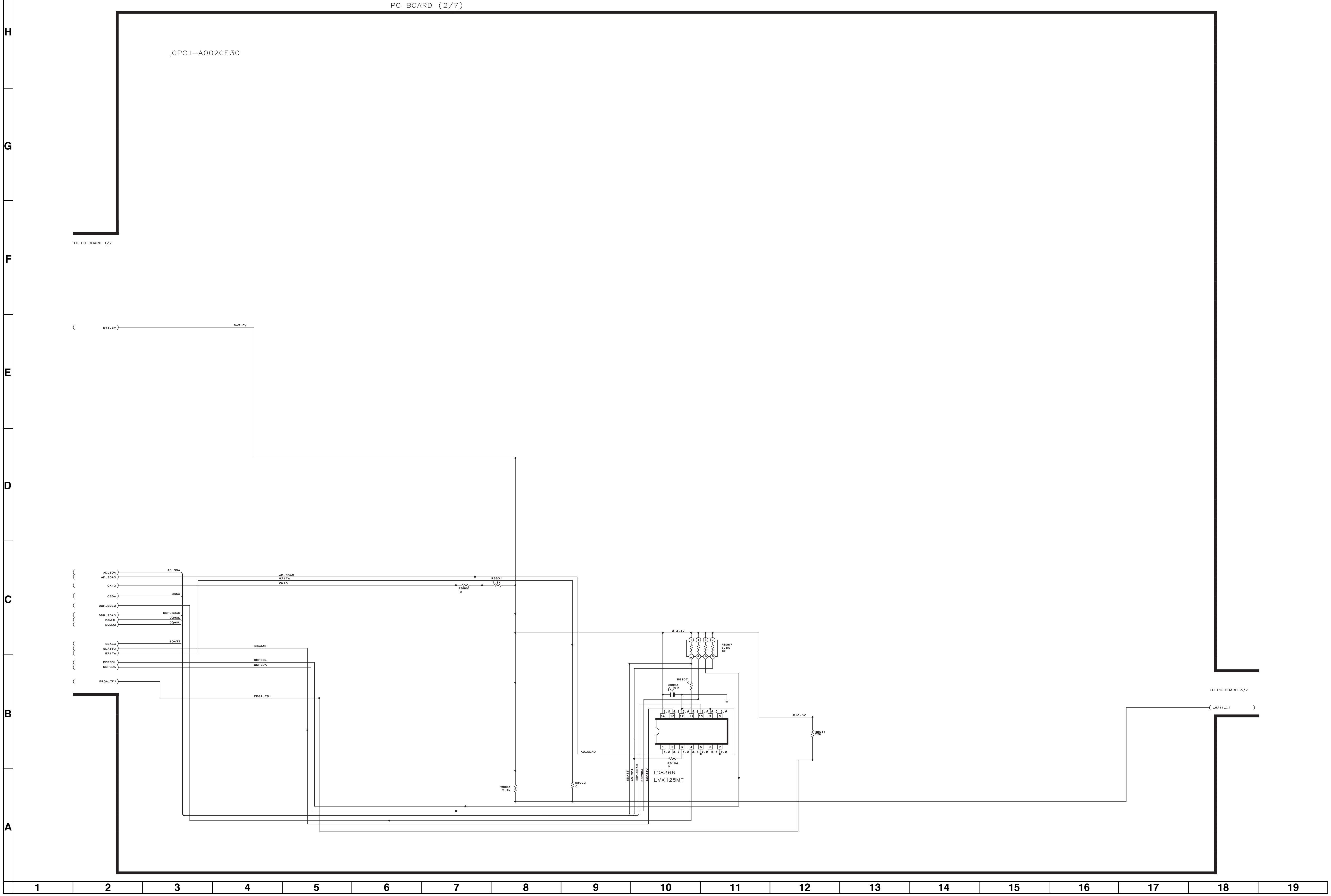
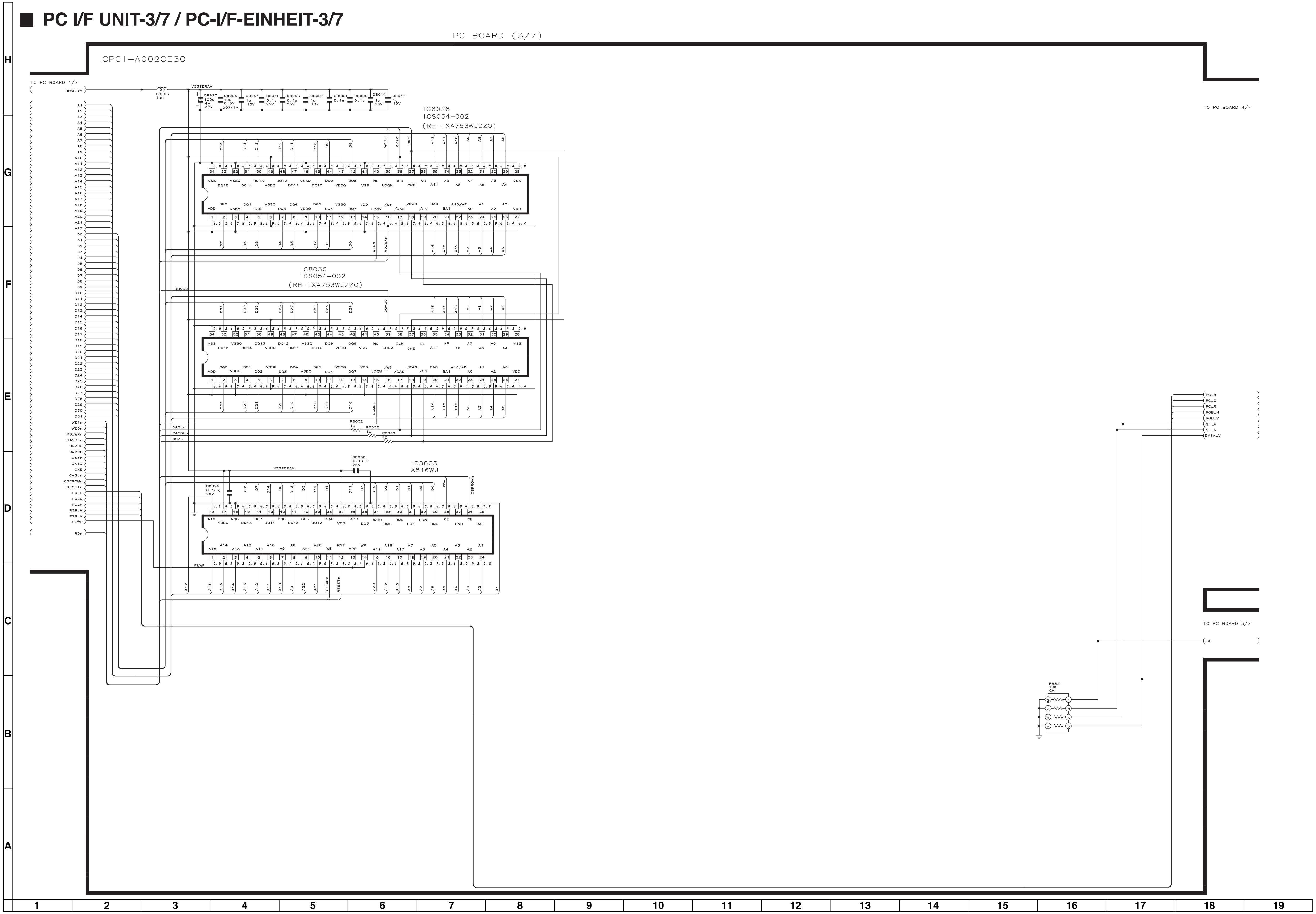
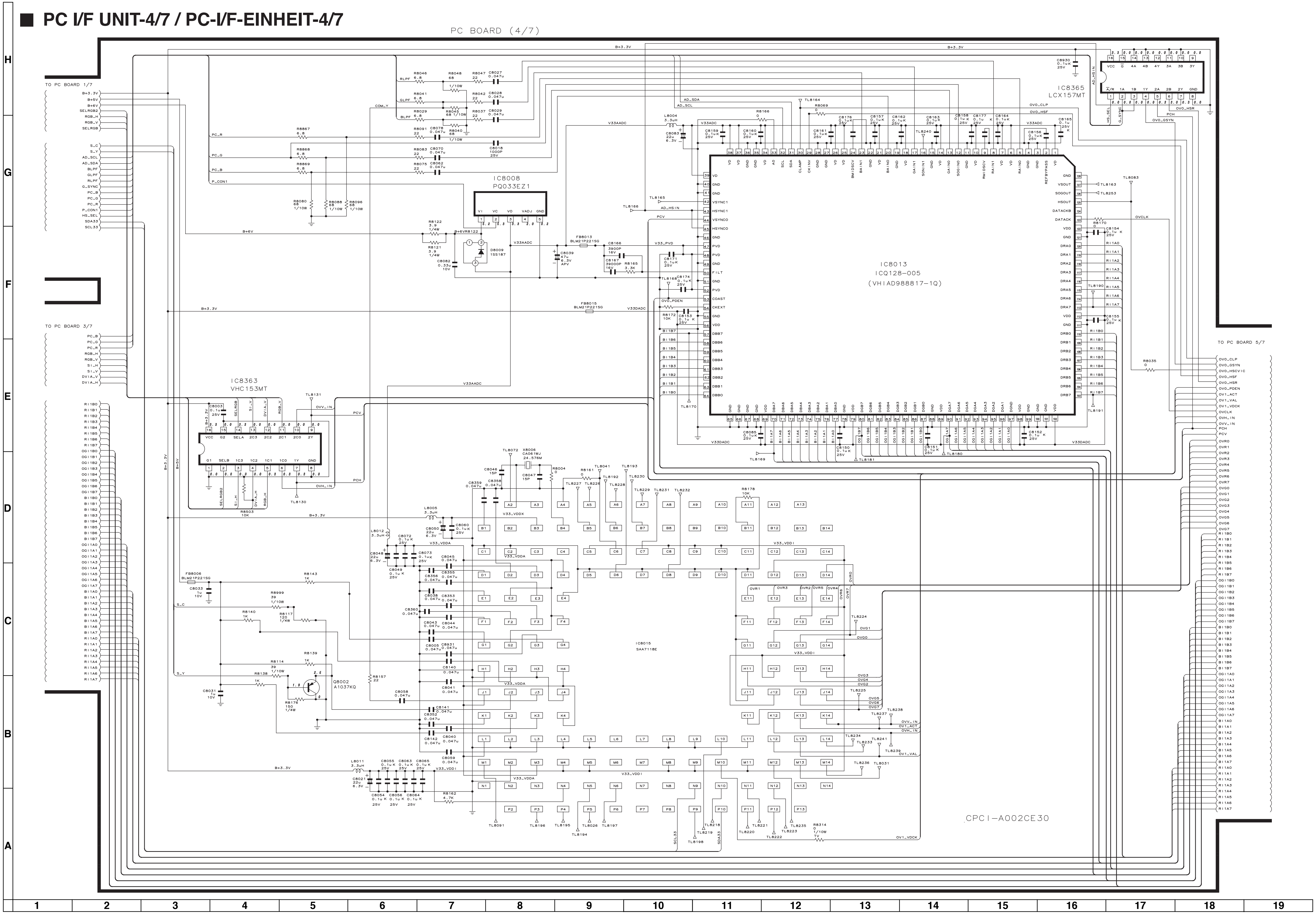
■ PC I/F UNIT-2/7 / PC-I/F-EINHEIT-2/7


PC BOARD (2/7)
CPCI-A002CE30
TO PC BOARD 1/7
B+3.3V
B+3.3V
AD_SDA
AD_SDAO
CKIO
CS5n
DDP_SCLO
DDP_SDAO
DQMUL
DQMUU
SDA33
SDA33O
WAITn
DDPSCL
DDPSDA
FPGA_TDI
AD_SDA
CS5n
DDP_SDAO
DQMUL
DQMUU
SDA33
AD_SDAO
WAITn
CKIO
SDA33O
DDPSCL
DDPSDA
FPGA_TDI
R8801
1.8K
R8800
0
R8003
2.2K
R8002
0
AD_SDAO
B+3.3V
R8067
6.8K
CH
R8107
0
C8923
0.1u K
25V
3.3 3.3 0.0 3.3 3.3 0.0 0.0
14 13 12 11 10 9 8
1 2 3 4 5 6 7
3.3 0.0 3.3 3.3 0.0 0.6 0.0
R8104
0
SDA33
AD_SDA
DDP_SDAO
DDPSDA
SDA33O
IC8366
LVX125MT
B+3.3V
R8018
22K
TO PC BOARD 5/7
_WAIT_C1
H
G
F
E
D
C
B
A
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

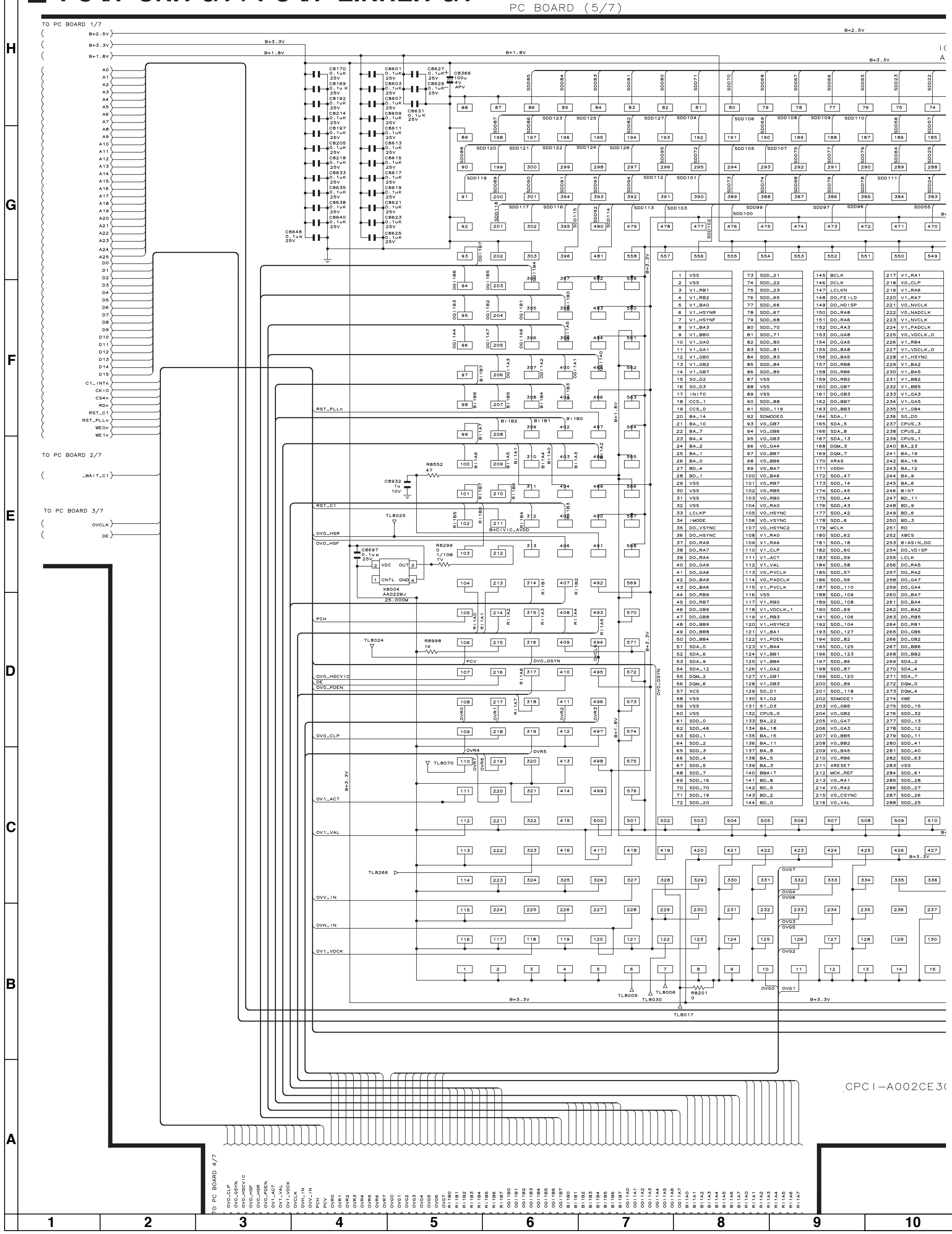
■ PC I/F UNIT-3/7 / PC-I/F-EINHEIT-3/7


PC BOARD (3/7)
CPCI-A002CE30
TO PC BOARD 1/7
B+3.3V
L8003 1uH
V33SDRAM
C8927 100u 4V APV
C8025 10u 6.3V 0074TA
C8051 1u 10V
C8052 0.1u 25V
C8053 0.1u 25V
C8007 1u 10V
C8008 0.1u
C8009 0.1u
C8014 1u 10V
C8017 1u 10V
IC8028
ICS054-002
(RH-IXA753WJZZQ)
IC8030
ICS054-002
(RH-IXA753WJZZQ)
IC8005
A816WJ
C8030 0.1u K 25V
C8024 0.1u K 25V
R8032 10
R8038 10
R8039 10
R8521 10K CH
CASLn
RAS3Ln
CS3n
DQMUU
DQMUL
FLWP
TO PC BOARD 4/7
PC_B
PC_G
PC_R
RGB_H
RGB_V
SI_H
SI_V
DVIA_V
TO PC BOARD 5/7
DE
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

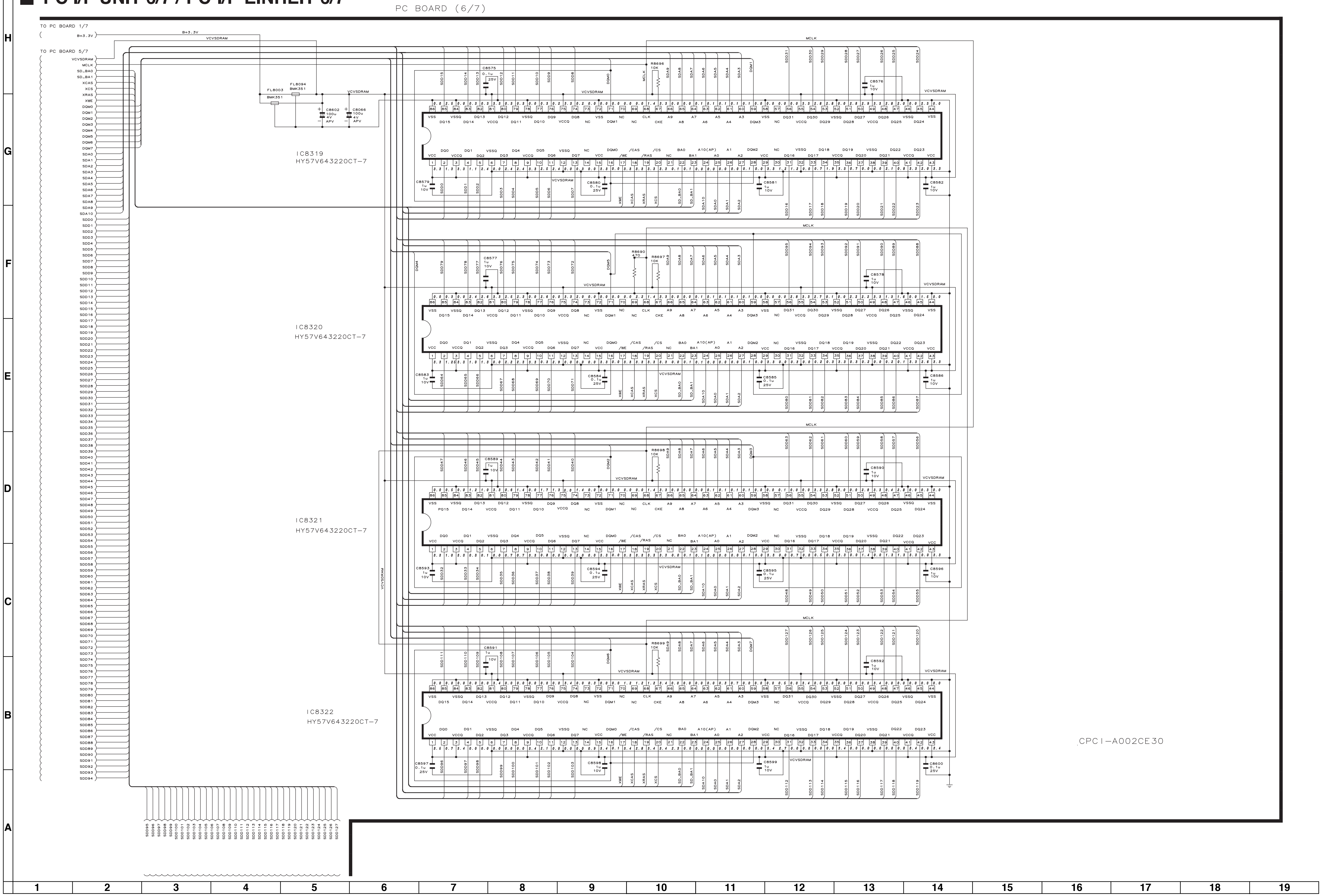
■ PC I/F UNIT-4/7 / PC-I/F-EINHEIT-4/7


PC BOARD (4/7)
TO PC BOARD 1/7
TO PC BOARD 3/7
TO PC BOARD 5/7
IC8008
PQ033EZ1
IC8363
VHC153MT
IC8365
LCX157MT
IC8013
ICQ128-005
(VHIAD988817-1Q)
IC8015
SAA7118E
Q8002
A1037KQ
X8006
CA061WJ
24.576M
FB8013
BLM21P221SG
FB8015
BLM21P221SG
FB8006
BLM21P221SG
L8004
3.3uH
L8005
3.3uH
L8011
3.3uH
L8012
3.3uH
D8009
1SS187
B+3.3V
B+5V
B+6V
V33AADC
V33DADC
V33_VDDA
V33_VDDI
V33_VDDX
V33_PVD
CPCI-A002CE30
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

■ PC I/F UNIT-5/7 / PC-I/F-EINHEIT-5/7


PC BOARD (5/7)
TO PC BOARD 1/7
B+2.5V
B+3.3V
B+1.8V
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18
A19
A20
A21
A22
A23
A24
A25
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
C1_INTn
CKIO
CS4n
RDn
RST_C1
RST_PLLn
WE0n
WE1n
RST_PLLn
TO PC BOARD 2/7
_WAIT_C1
TO PC BOARD 3/7
OVCLK
DE
RST_C1
OV0_HSR
OV0_HSF
PCH
OV0_HSCVIC
DE
OV0_PDEN
OV0_CLP
OV1_ACT
OV1_VAL
OVV_IN
OVH_IN
OV1_VDCK
C8932 1u 10V
R8552 47
TL8025
TL8024
R8998 1K
C8697 0.1uK 25V
X8004 AA022WJ 25.000M
VDC
OUT
CNTL
GND
R8299 0 1/10W
B+C1VIC_AVDD
PCV
OV0_GSYN
OVR4
OVR5
TL8070
TL8266
TL8005
TL8030
TL8006
TL8017
R8201 0
OVG0
OVG1
OVG2
OVG3
OVG4
OVG5
OVG6
OVG7
B+3.3V
TO PC BOARD 4/7
CPCI-A002CE3
SDD100
SDD102
SDD103
SDD113
SDD99
SDD97
SDD96
SDD55
1 VSS
2 VSS
3 V1_RB1
4 V1_RB2
5 V1_BA0
6 V1_HSYNR
7 V1_HSYNF
8 V1_BA3
9 V1_BB0
10 V1_GA0
11 V1_GA1
12 V1_GB0
13 V1_GB2
14 V1_GB7
15 S0_D2
16 S0_D3
17 INITO
18 CCS_1
19 CCS_0
20 BA_14
21 BA_10
22 BA_7
23 BA_4
24 BA_2
25 BA_1
26 BA_0
27 BD_4
28 BD_1
29 VSS
30 VSS
31 VSS
32 VSS
33 LCLKP
34 IMODE
35 DO_VSYNC
36 DO_HSYNC
37 DO_RA9
38 DO_RA7
39 DO_RA4
40 DO_GA9
41 DO_GA6
42 DO_BA9
43 DO_BA6
44 DO_RB9
45 DO_RB7
46 DO_GB9
47 DO_GB8
48 DO_BB9
49 DO_BB8
50 DO_BB4
51 SDA_0
52 SDA_6
53 SDA_9
54 SDA_12
55 DQM_2
56 DQM_6
57 XCS
58 VSS
59 VSS
60 VSS
61 SDD_0
62 SDD_46
63 SDD_1
64 SDD_2
65 SDD_3
66 SDD_4
67 SDD_5
68 SDD_7
69 SDD_16
70 SDD_70
71 SDD_19
72 SDD_20
73 SDD_21
74 SDD_22
75 SDD_23
76 SDD_65
77 SDD_66
78 SDD_67
79 SDD_68
80 SDD_70
81 SDD_71
82 SDD_80
83 SDD_81
84 SDD_83
85 SDD_84
86 SDD_85
87 VSS
88 VSS
89 VSS
90 SDD_88
91 SDD_119
92 SDMODE0
93 V0_GB7
94 V0_GB6
95 V0_GB3
96 V0_GA4
97 V0_BB7
98 V0_BB6
99 V0_BA7
100 V0_BA6
101 V0_RB7
102 V0_RB5
103 V0_RB0
104 V0_RA0
105 V0_HSYNC
106 V0_VSYNC
107 V0_HSYNC2
108 V1_RA0
109 V1_RA4
110 V1_CLP
111 V1_ACT
112 V1_VAL
113 V0_PVCLK
114 V0_PADCLK
115 V1_PVCLK
116 VSS
117 V1_RB0
118 V1_VDCLK_1
119 V1_RB3
120 V1_HSYNC2
121 V1_BA1
122 V1_PDEN
123 V1_BA4
124 V1_BB1
125 V1_BB4
126 V1_GA2
127 V1_GB1
128 V1_GB3
129 S0_D1
130 S1_D2
131 S1_D3
132 CPUS_0
133 BA_22
134 BA_18
135 BA_15
136 BA_11
137 BA_8
138 BA_5
139 BA_3
140 BWAIT
141 BD_8
142 BD_5
143 BD_2
144 BD_0
145 BCLK
146 DCLK
147 LCLKN
148 DO_FEILD
149 DO_HDISP
150 DO_RA8
151 DO_RA6
152 DO_RA3
153 DO_GA8
154 DO_GA5
155 DO_BA8
156 DO_BA5
157 DO_RB8
158 DO_RB6
159 DO_RB2
160 DO_GB7
161 DO_GB3
162 DO_BB7
163 DO_BB3
164 SDA_1
165 SDA_5
166 SDA_8
167 SDA_13
168 DQM_3
169 DQM_7
170 XRAS
171 VDDH
172 SDD_47
173 SDD_14
174 SDD_45
175 SDD_44
176 SDD_43
177 SDD_42
178 SDD_6
179 MCLK
180 SDD_62
181 SDD_18
182 SDD_60
183 SDD_59
184 SDD_58
185 SDD_57
186 SDD_56
187 SDD_110
188 SDD_109
189 SDD_108
190 SDD_69
191 SDD_106
192 SDD_104
193 SDD_127
194 SDD_82
195 SDD_125
196 SDD_123
197 SDD_86
198 SDD_87
199 SDD_120
200 SDD_89
201 SDD_118
202 SDMODE1
203 V0_GB5
204 V0_GB2
205 V0_GA7
206 V0_GA3
207 V0_BB5
208 V0_BB2
209 V0_BA5
210 V0_RB6
211 XRESET
212 MCK_REF
213 V0_RA1
214 V0_RA2
215 V0_CSYNC
216 V0_VAL
217 V1_RA1
218 V0_CLP
219 V1_RA6
220 V1_RA7
221 V0_NVCLK
222 V0_NADCLK
223 V1_NVCLK
224 V1_PADCLK
225 V0_VDCLK_O
226 V1_RB4
227 V1_VDCLK_O
228 V1_HSYNC
229 V1_BA2
230 V1_BA5
231 V1_BB2
232 V1_BB5
233 V1_GA3
234 V1_GA5
235 V1_GB4
236 S0_D0
237 CPUS_3
238 CPUS_2
239 CPUS_1
240 BA_23
241 BA_19
242 BA_16
243 BA_12
244 BA_9
245 BA_6
246 BINT
247 BD_11
248 BD_9
249 BD_6
250 BD_3
251 RD
252 XBCS
253 BIASIN_DO
254 DO_VDISP
255 LCLK
256 DO_RA5
257 DO_RA2
258 DO_GA7
259 DO_GA4
260 DO_BA7
261 DO_BA4
262 DO_BA2
263 DO_RB5
264 DO_RB1
265 DO_GB6
266 DO_GB2
267 DO_BB6
268 DO_BB2
269 SDA_2
270 SDA_4
271 SDA_7
272 DQM_0
273 DQM_4
274 XWE
275 SDD_15
276 SDD_32
277 SDD_13
278 SDD_12
279 SDD_11
280 SDD_41
281 SDD_40
282 SDD_63
283 VSS
284 SDD_61
285 SDD_28
286 SDD_27
287 SDD_26
288 SDD_25

■ PC I/F UNIT-6/7 / PC-I/F-EINHEIT-6/7


PC BOARD (6/7)
TO PC BOARD 1/7
B+3.3V
TO PC BOARD 5/7
VCVSDRAM
MCLK
SD_BA0
SD_BA1
XCAS
XCS
XRAS
XWE
FL8003
BMK351
FL8094
BMK351
C8602
100u
4V
APV
C8066
100u
4V
APV
IC8319
HY57V643220CT-7
IC8320
HY57V643220CT-7
IC8321
HY57V643220CT-7
IC8322
HY57V643220CT-7
R8696
10K
R8690
470
R8697
10K
R8698
10K
R8699
10K
CPCI-A002CE30
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
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11
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14
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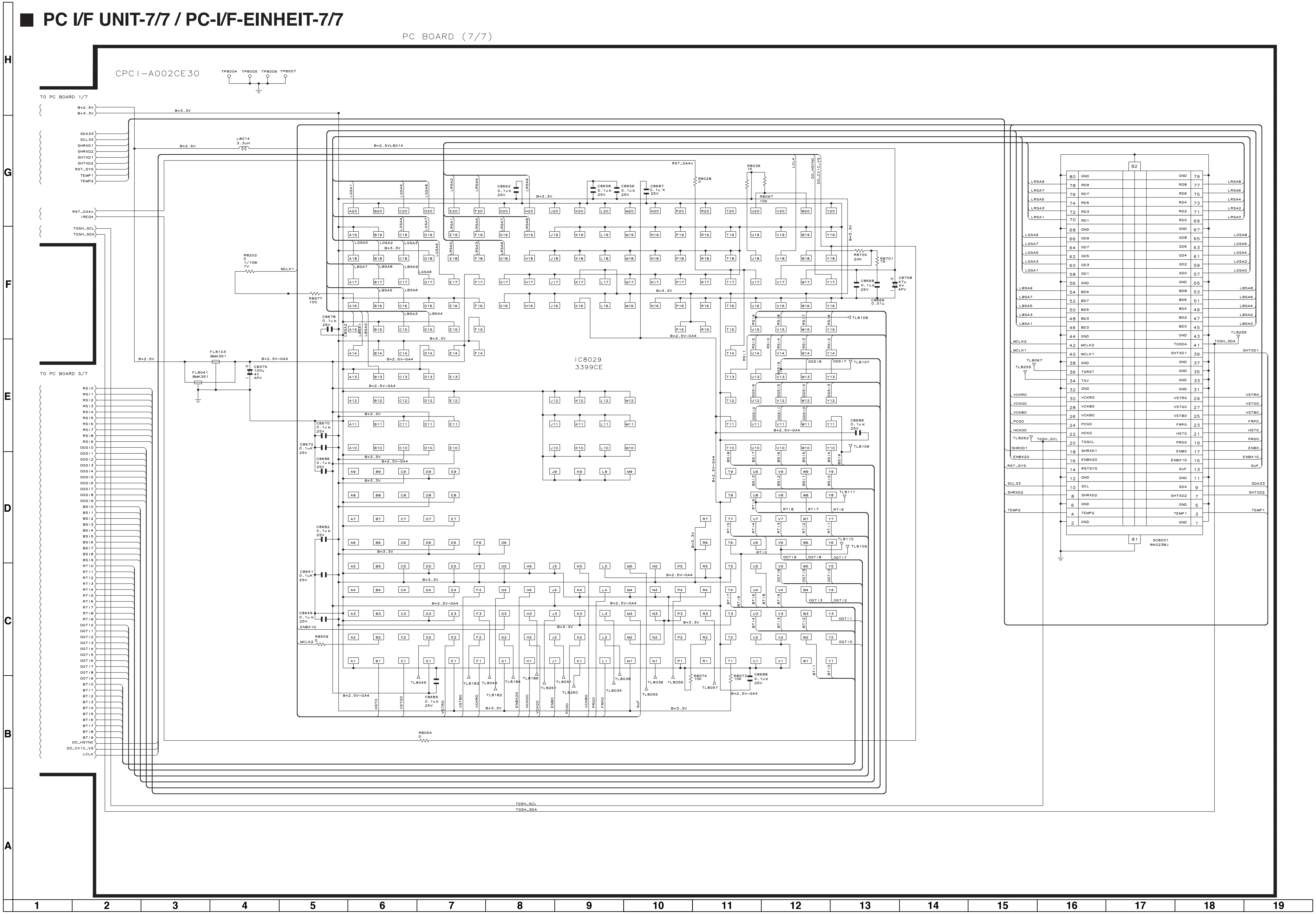
17
18
19

■ PC I/F UNIT-7/7 / PC-I/F-EINHEIT-7/7


PC BOARD (7/7)
CPCI-A002CE30
TP8004
TP8005
TP8006
TP8007
TO PC BOARD 1/7
B+2.5V
B+3.3V
SDA33
SCL33
SHRXD1
SHRXD2
SHTXD1
SHTXD2
RST_SYS
TEMP1
TEMP2
RST_GA4n
IREQ4
TGSH_SCL
TGSH_SDA
TO PC BOARD 5/7
L8014
3.3uH
R8202
0
1/10W
TV
MCLK1
R8977
100
FL8103
BMK351
FL8041
BMK351
C8375
100u
4V
APV
B+2.5V-GA4
IC8029
3399CE
R8036
1K
R8028
0
R8097
10K
R8700
20K
R8701
75
C8708
47u
4V
APV
C8666
0.01u
R8509
0
MCLK2
ENBX1G
R8054
0
R8074
10K
R8073
10K
TGSH_SCL
TGSH_SDA
SC8001
WA023WJ
82
81
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
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16
17
18
19

PRINTED WIRING BOARD ASSEMBLIES
LEITERPLATTENEINHEITEN

H

G

F

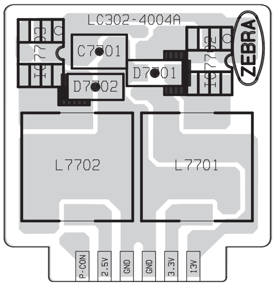
E

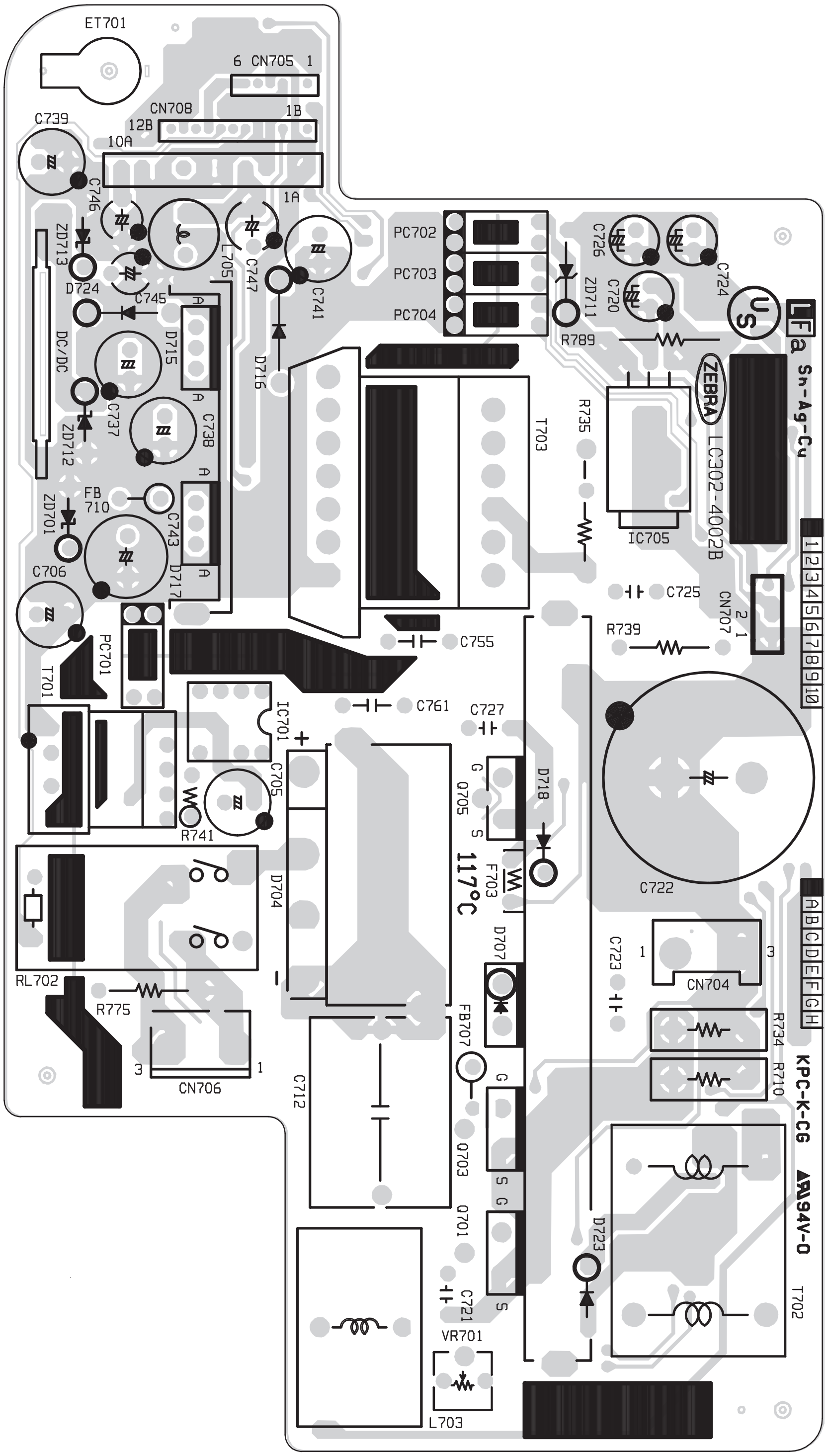
D

C

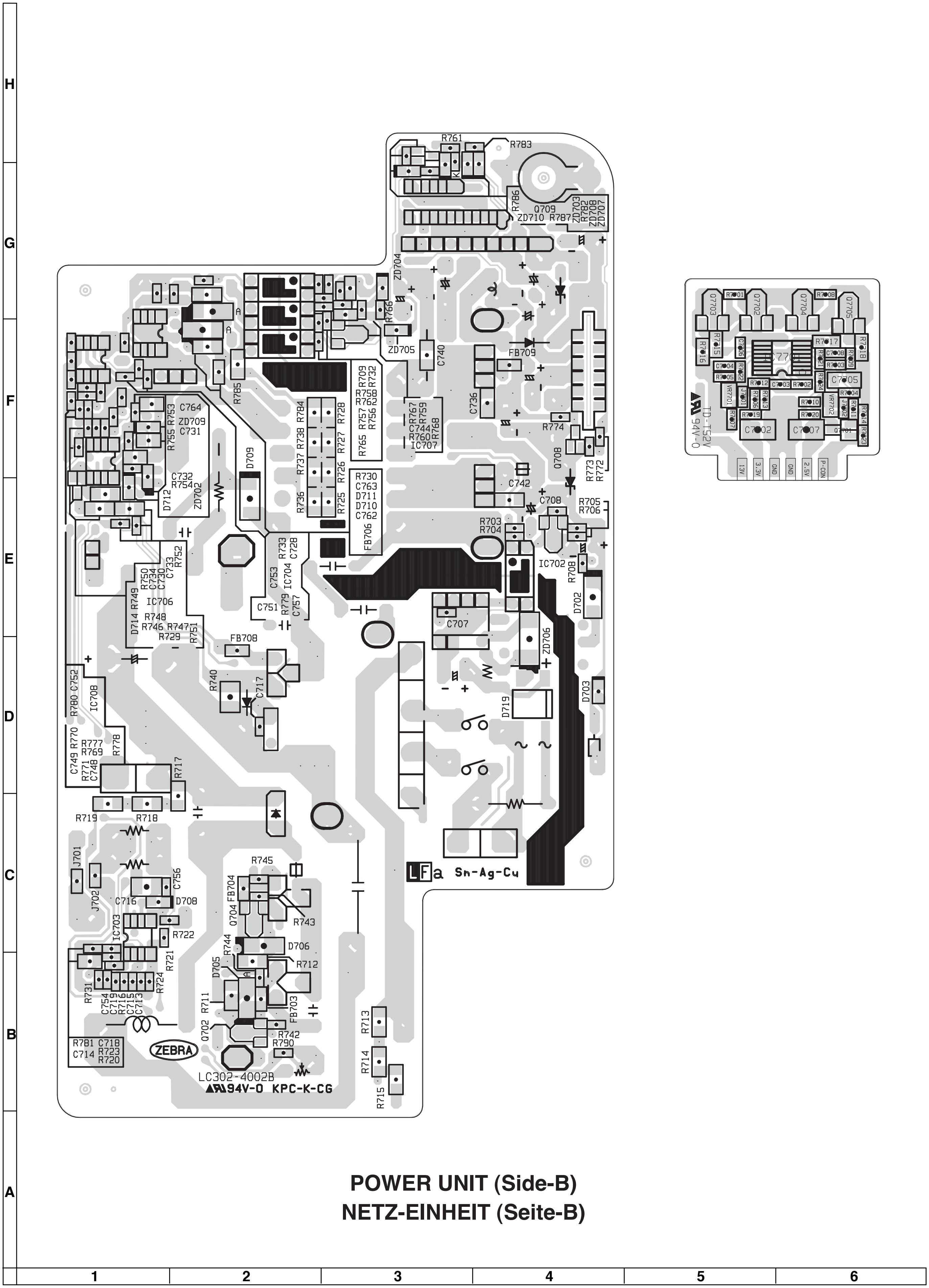
B

A


LC302-4004A
ZEBRA
C7701
D7701
D7702
IC7702
L7702
L7701
P-CON
2.5V
GND
GND
3.3V
3.3V

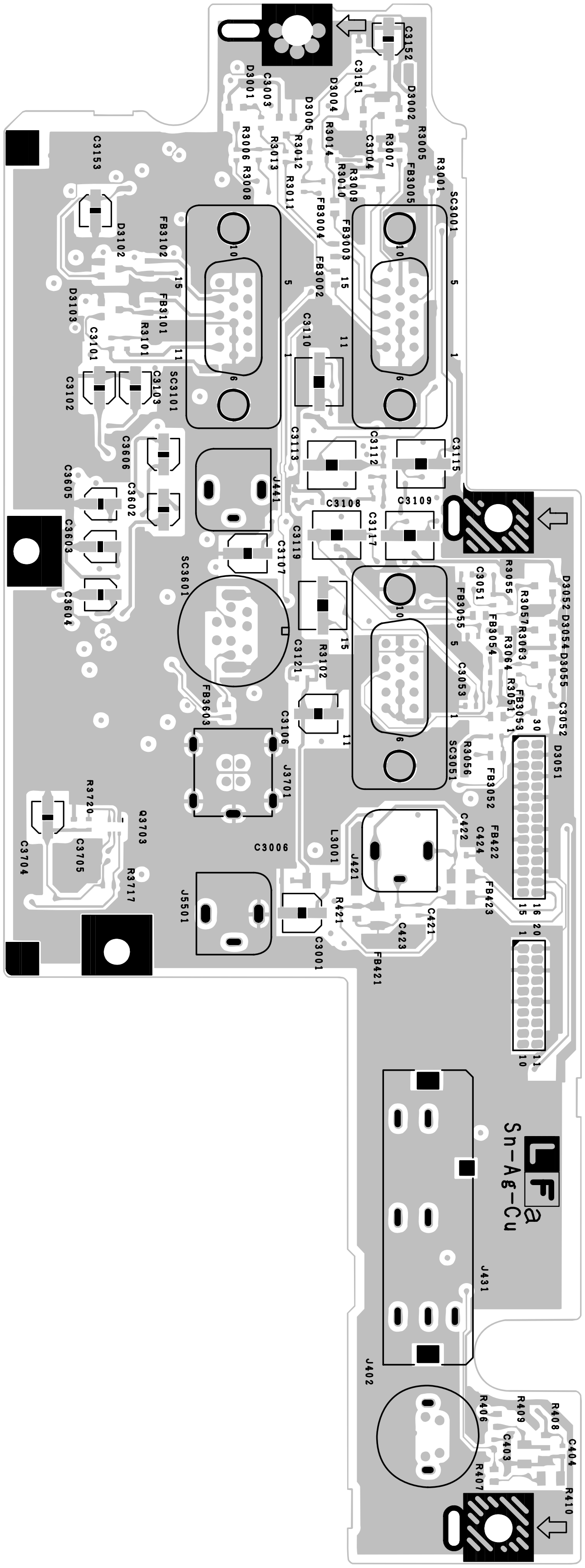

ET701
6 CN705 1
CN708
12B
1B
10A
1A
C739
C746
ZD713
D724
C745
L705
C747
C741
PC702
PC703
PC704
C726
ZD711
C720
C724
R789
DC/DC
D715
D716
C737
C738
ZD712
T703
R735
ZEBRA
LC302-4002B
Sn-Ag-Cu
IC705
FB 710
C743
ZD701
D717
C706
C725
CN707
R739
C755
PC701
T701
C761
C727
IC701
C705
R741
G
Q705
S
D718
F703
117°C
D704
C722
D707
RL702
R775
C723
CN704
1
3
A B C D E F G H
1 2 3 4 5 6 7 8 9 10
FB707
R734
R710
KPC-K-CG
94V-0
CN706
C712
Q703
Q701
D723
T702
C721
VR701
L703

POWER UNIT (Side-A)
NETZ-EINHEIT (Seite-A)

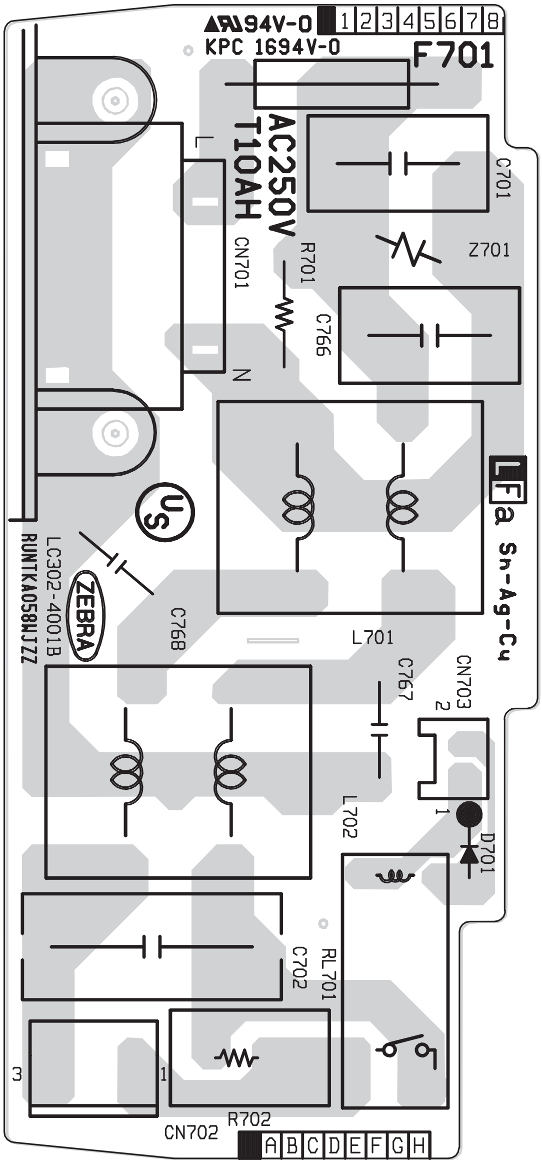

H
G
F
E
D
C
B
A
1
2
3
4
5
6
R761
R783
R786
Q709
ZD710
R787
ZD703
R782
ZD708
ZD707
ZD704
R766
ZD705
C740
FB709
C736
R774
Q708
R773
R772
C742
C708
R705
R706
R703
R704
IC702
R708
D702
C707
ZD706
D703
D719
R709
R732
R758
R762
R757
R756
R765
R767
C744
R759
R768
R760
IC707
R784
R728
R738
R727
R737
R726
R736
R725
R730
C763
D711
D710
C762
FB706
D709
R785
C764
ZD709
C731
R755
R753
C732
R754
ZD702
D712
R733
C728
C753
R779
IC704
C751
C757
R752
C733
C730
C734
R750
R749
IC706
D714
R748
R746
R747
R751
R729
FB708
R740
C717
R780
C752
IC708
C749
R770
R777
R769
R778
R771
C748
R717
R719
R718
J701
J702
C756
C716
D708
IC703
R722
R721
R724
R731
C754
C719
R716
C715
C713
R781
C718
C714
R723
R720
ZEBRA
LC302-4002B
94V-0 KPC-K-CG
R745
FB704
Q704
R743
R744
D706
D705
R712
R711
FB703
Q702
R742
R790
R713
R714
R715
LFa
Sn-Ag-Cu
Q7703
R7701
Q7702
Q7704
R7708
Q7705
R7716
R7715
C7706
IC7701
R7717
C7708
R7709
R7718
R7721
C7704
R7722
R7703
R7705
R7712
C7703
R7702
R7724
C7705
VR7701
R7706
R7713
R7704
R7707
R7719
R7710
VR7702
R7714
R7723
R7720
C7702
C7707
Q7701
TD-T52V
94V-0
13V
3.3V
GND
GND
2.5V
P-CON

POWER UNIT (Side-B)

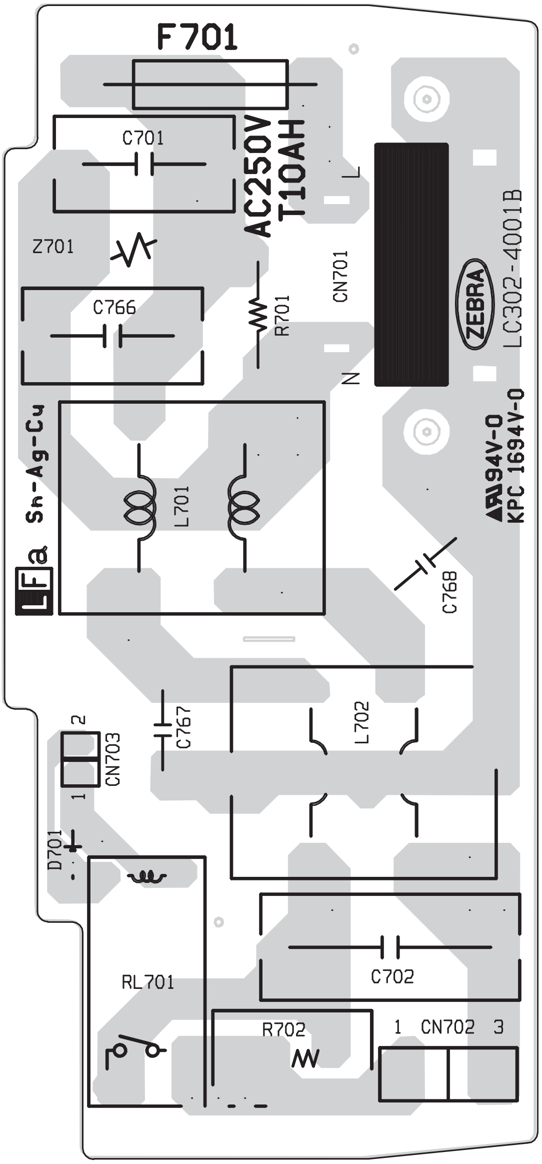
NETZ-EINHEIT (Seite-B)


C3152
C3151
D3001
C3003
D3004
D3002
D3005
R3014
R3005
R3006
R3008
R3013
R3012
R3011
R3007
C3004
R3009
R3010
FB3005
R3001
SC3001
C3153
D3102
FB3102
FB3004
FB3003
FB3002
D3103
FB3101
R3101
C3101
C3110
C3102
C3103
SC3101
C3113
C3112
C3115
C3606
J441
C3605
C3602
C3108
C3109
C3603
C3119
C3107
C3117
SC3601
C3604
C3051
R3055
FB3055
FB3054
R3057
R3063
R3064
R3054
D3052
D3054
D3055
C3121
R3102
C3053
FB3053
C3052
FB3603
C3106
J3701
R3056
SC3051
D3051
FB3052
R3720
Q3703
C3006
L3001
J421
C422
C424
FB422
C3704
C3705
R3717
J5501
R421
C3001
C421
C423
FB421
FB423
LF a
Sn-Ag-Cu
J431
J402
R406
R409
R408
C403
C404
R407
R410

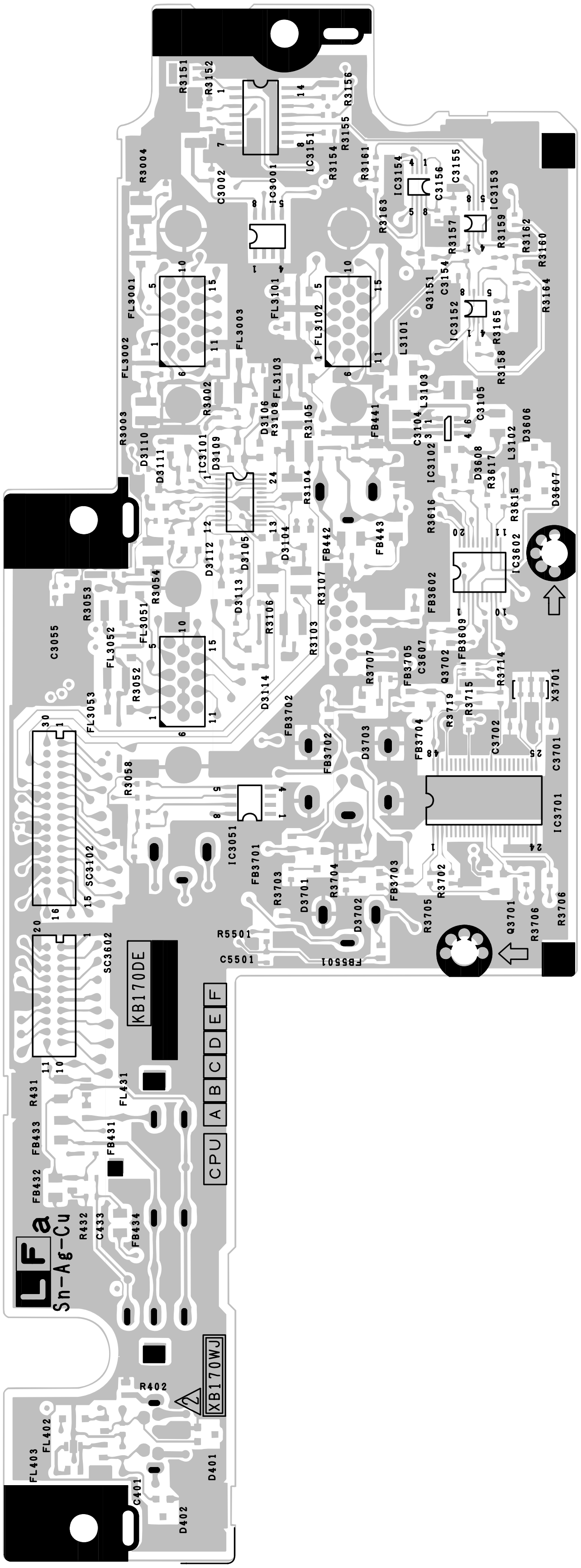
INPUT UNIT (Side-A)
EINGANGS-EINHEIT (Seite-A)


94V-0
1 2 3 4 5 6 7 8
KPC 1694V-0
F701
AC250V
T10AH
L
N
CN701
R701
C701
Z701
C766
LF a
Sn-Ag-Cu
L701
C768
LC302-4001B
ZEBRA
RUNTKA058WJZZ
CN703
2
C767
L702
1
D701
C702
RL701
3
1
R702
CN702
A B C D E F G H

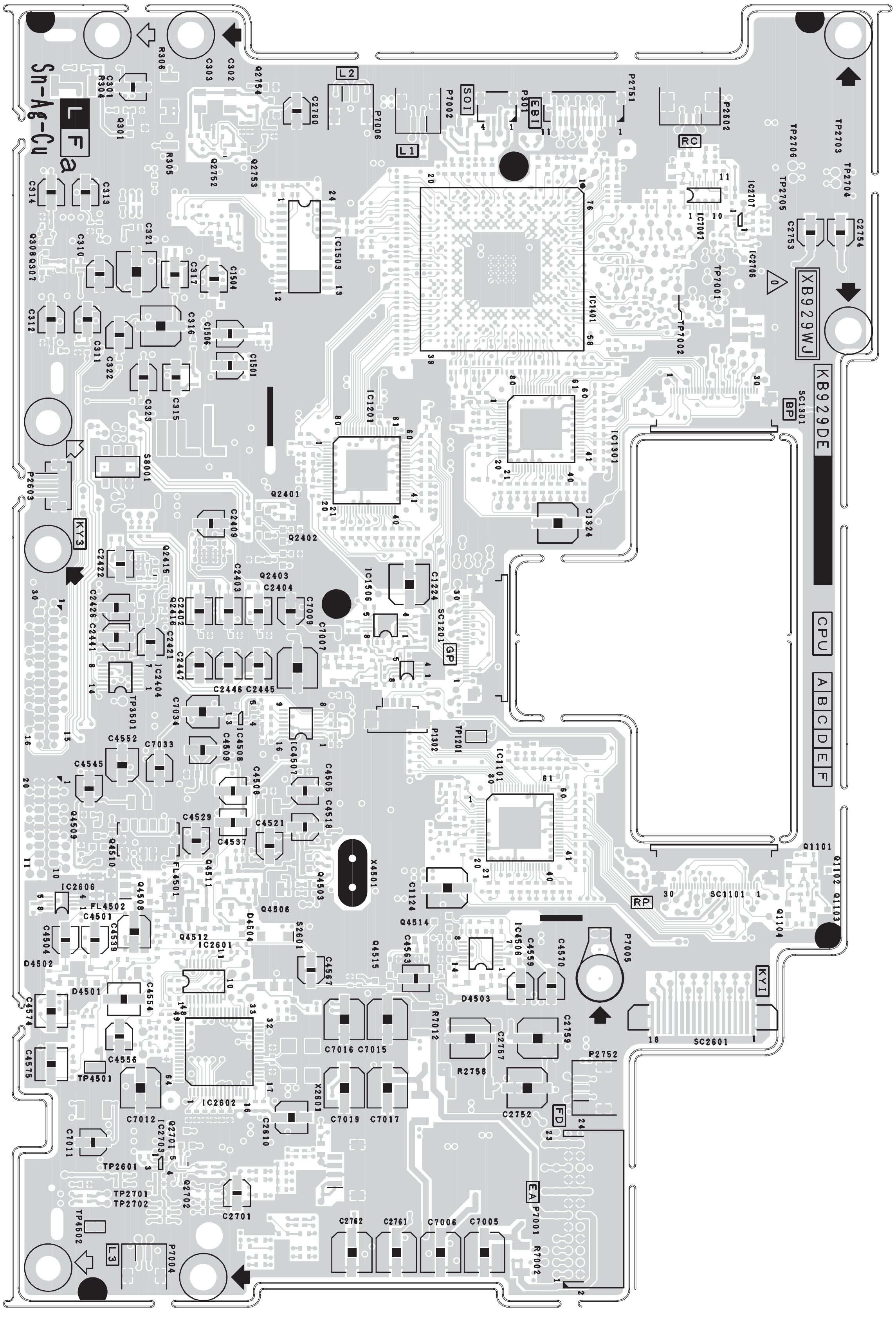
AC INLET UNIT (Side-A)
AC-EINGANGS-EINHEIT (Seite-A)


F701
C701
AC250V
T10AH
Z701
C766
R701
CN701
L
N
ZEBRA
LC302-4001B
94V-0
KPC 1694V-0
Sn-Ag-Cu
LFa
L701
C768
C767
L702
CN703
1
2
D701
RL701
C702
R702
1 CN702 3

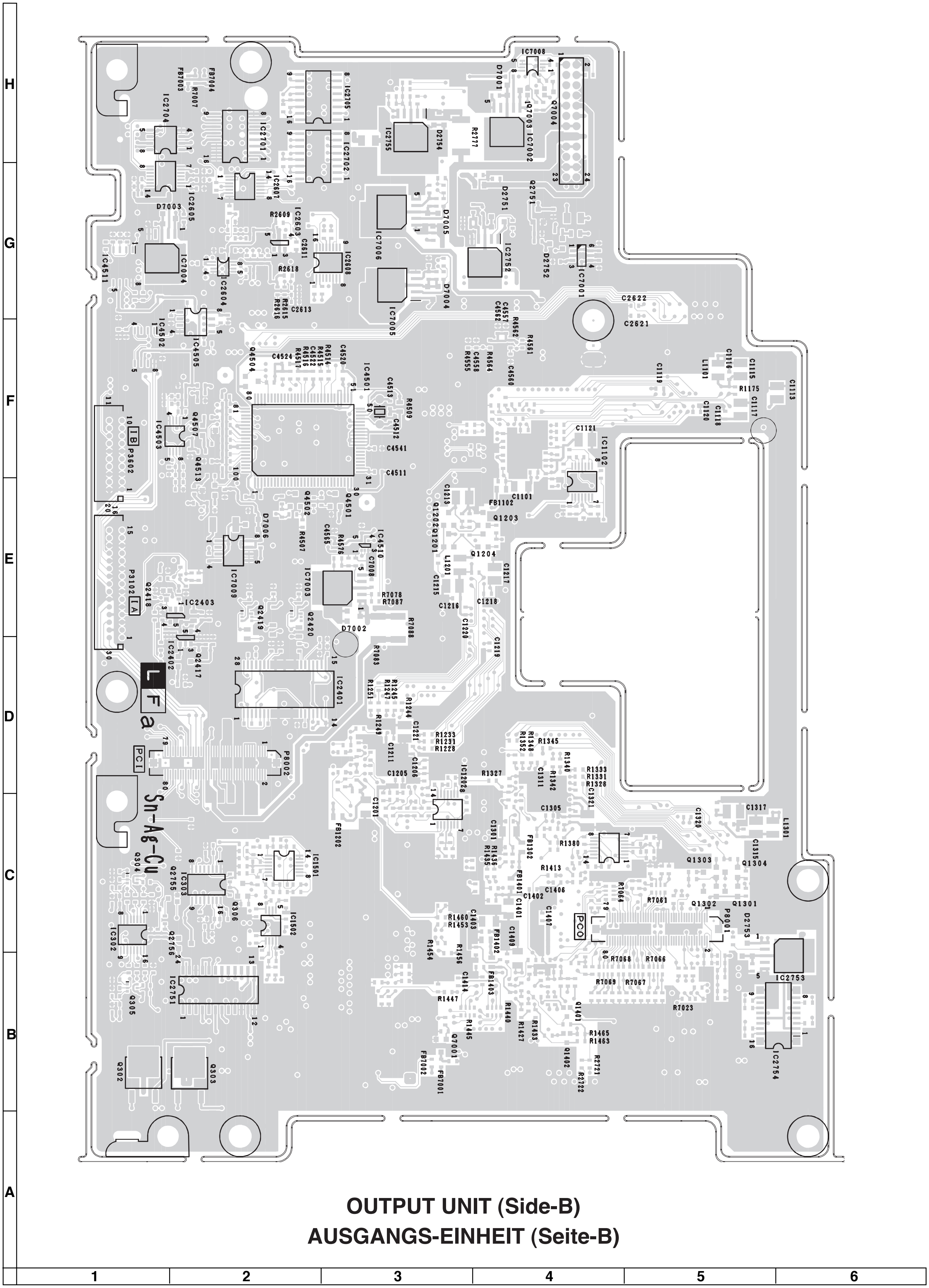
AC INLET UNIT (Side-B)
AC-EINGANGS-EINHEIT (Seite-B)


R3151
R3152
R3156
R3155
R3154
IC3151
R3004
C3002
IC3001
R3161
IC3154
C3156
C3155
IC3153
R3163
R3157
R3159
R3162
R3160
FL3001
FL3101
FL3102
FL3003
Q3151
C3154
IC3152
R3165
R3164
FL3002
L3101
R3158
R3002
FL3103
D3106
R3108
R3105
FB441
C3104
L3103
C3105
D3606
R3003
D3110
D3111
IC3101
D3109
IC3102
D3608
R3617
L3102
R3104
R3616
R3615
D3607
D3112
D3105
D3104
FB442
FB443
IC3602
R3053
R3054
D3113
R3107
FB3602
C3055
FL3051
R3106
R3103
FB3609
FL3052
D3114
R3707
FB3705
C3607
Q3702
R3714
X3701
R3052
FL3053
FB3702
R3719
R3715
FB3704
C3702
C3701
D3703
R3058
IC3051
FB3701
R3703
D3701
R3704
D3702
FB3703
R3702
R3705
Q3701
R3706
IC3701
SC3102
SC3602
R5501
C5501
FB5501
KB170DE
CPU
A
B
C
D
E
F
R431
FL431
FB433
FB431
FB432
R432
C433
FB434
LFa
Sn-Ag-Cu
XB170WJ
R402
FL402
FL403
D401
C401
D402

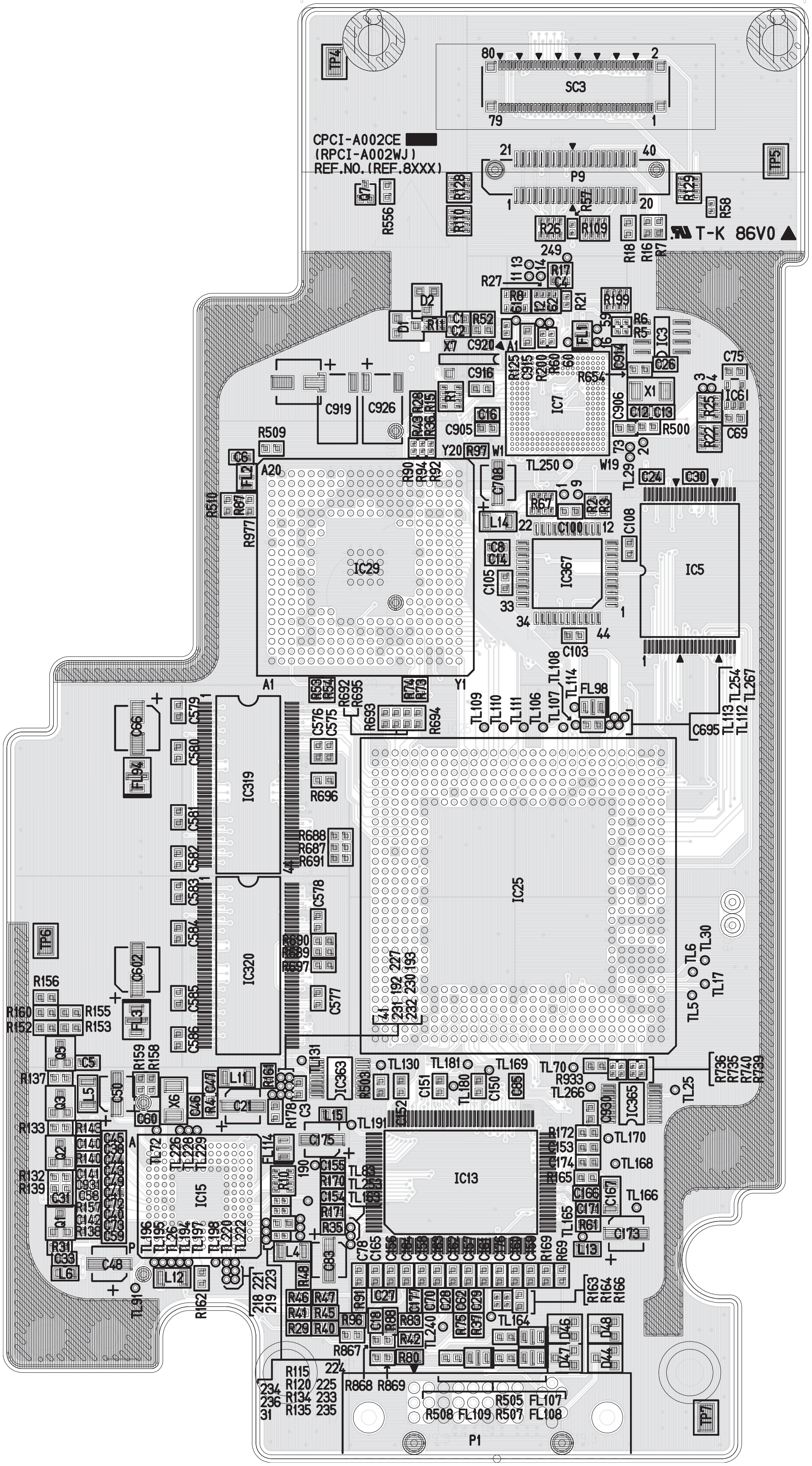
INPUT UNIT (Side-B)
EINGANGS-EINHEIT (Seite-B)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
Sn-Ag-Cu
LF
a
R306
C303
C302
Q2754
C301
R304
Q301
R305
Q2752
Q2753
L2
C2760
P7006
L1
P7002
SOI
P301
EB1
P2751
P2602
RC
TP2706
TP2703
TP2705
TP2704
IC2707
IC7007
C2753
C2754
IC2706
TP7001
TP7002
XB929WJ
KB929DE
C314
C313
C321
C310
Q308
Q307
C317
C1504
IC1503
IC1401
C312
C311
C316
C1506
C322
C1501
C323
C315
IC1201
IC1301
SC1301
BP
S8001
P2603
Q2401
C2409
Q2402
C1324
KY3
C2422
Q2415
C2403
Q2403
C2404
IC1506
C1224
SC1201
C2426
C2441
C2402
Q2416
C2421
C7009
C7007
GP
IC2404
C2447
C2446
C2445
TP3501
C7034
IC4508
C4509
IC4507
P1302
TP1201
IC1101
CPU
A
B
C
D
E
F
C4552
C7033
C4545
C4508
C4505
C4518
Q4509
C4529
C4521
C4537
Q4510
Q4511
FL4501
X4501
Q4503
C1124
Q1101
Q1102
Q1103
Q1104
SC1101
RP
IC2606
FL4502
C4501
Q4508
C4539
C4504
Q4506
D4504
S2601
Q4514
Q4512
IC2601
D4502
Q4515
C4563
IC4506
C4559
C4570
P7005
KY1
D4501
C4554
C4567
D4503
C4574
C7016
C7015
R7012
C2757
C2759
SC2601
C4556
C4575
TP4501
R2758
P2752
C7012
IC2602
X2601
C7019
C7017
C2752
FD
C2610
C7011
Q2701
IC2703
TP2601
Q2702
TP2701
TP2702
C2701
EA
P7001
TP4502
C2762
C2761
C7006
C7005
R7002
L3
P7004

OUTPUT UNIT (Side-A)
AUSGANGS-EINHEIT (Seite-A)

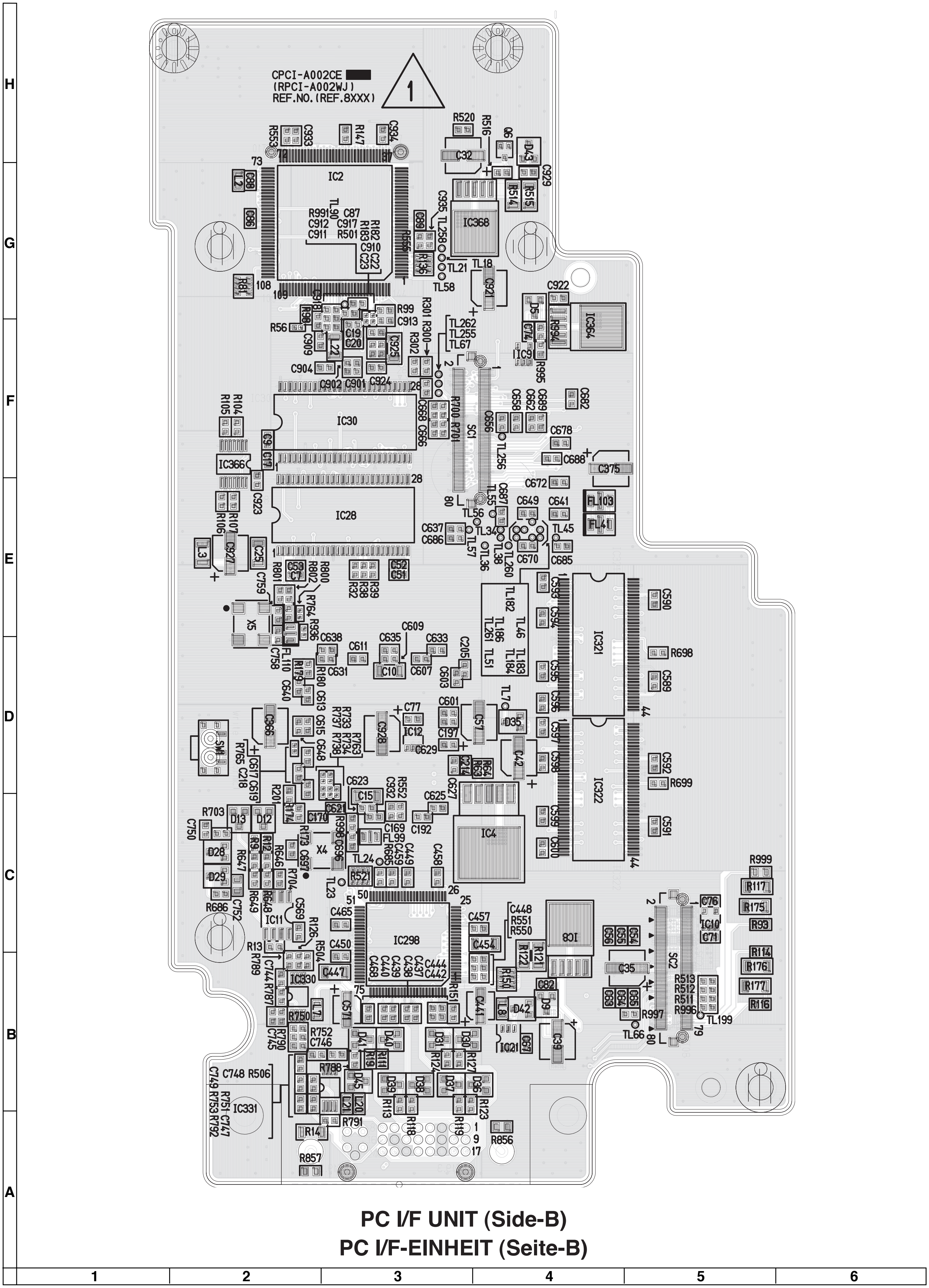

H
G
F
E
D
C
B
A
1
2
3
4
5
6
IC7008
D7001
Q7003
Q7004
IC7002
IC2705
IC2701
IC2702
IC2755
D2754
R2777
FB7004
FB7003
R7007
IC2704
IC2605
IC2607
D7003
R2609
IC2603
C2611
IC2608
R2618
IC7006
D7005
D2751
Q2751
IC2752
D2752
IC7001
IC7004
IC4511
C2604
C2613
R2615
R2616
IC7005
D7004
C4557
C4562
R4562
R4561
C2622
C2621
IC4502
IC4505
Q4504
C4524
R4514
R4515
R4516
R4517
C4520
IC4501
C4513
R4509
C4512
C4541
C4511
R4564
C4558
R4555
C4560
L1101
C1116
C1115
C1119
R1175
C1113
C1120
C1118
C1117
C1121
IC1102
C1101
FB1102
Q1203
C1213
Q1202
Q1201
Q1204
L1201
C1215
C1217
C1216
C1218
C1220
C1219
IB
P3602
IC4503
Q4507
Q4513
Q4502
Q4501
D7006
R4507
C4565
R4576
IC4510
C7008
IC7009
IC7003
R7078
R7087
R7088
D7002
R7083
P3102
IA
Q2418
IC2403
Q2419
Q2420
IC2402
Q2417
IC2401
R1245
R1247
R1251
R1244
R1249
C1221
C1211
C1206
C1205
R1233
R1231
R1228
IC1202
C1201
FB1202
L
F
a
PC1
P8002
Sn-Ag-Cu
R1348
R1352
R1345
R1340
R1333
R1331
R1328
R1327
C1311
R1342
C1321
C1305
C1301
R1436
R1435
FB1302
R1380
R1413
C1406
C1402
FB1401
C1401
C1407
C1317
C1320
L1301
C1315
Q1303
Q1304
R7064
R7061
Q1302
Q1301
PC0
P8001
D2753
R7068
R7066
R7069
R7067
R7023
IC2753
IC2754
Q304
Q2755
IC303
Q306
IC1501
IC1502
IC302
Q2756
IC2751
Q305
Q302
Q303
R1460
R1453
C1403
C1409
FB1402
R1454
R1456
C1414
FB1403
R1447
R1440
R1445
R1427
R1433
Q1401
Q7001
FB7002
FB7001
Q1402
R1465
R1463
R2221
R2222

OUTPUT UNIT (Side-B)
AUSGANGS-EINHEIT (Seite-B)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
CPCI-A002CE
(RPCI-A002WJ)
REF.NO.(REF.8XXX)
SC3
80
2
79
1
P9
21
40
1
20
TP4
TP5
TP6
TP7
T-K 86V0
IC29
IC7
IC5
IC367
IC3
IC61
IC25
IC319
IC320
IC13
IC15
IC363
IC365
X1
X6
X7
D1
D2
Q7
FL1
FL2
FL3
FL94
FL98
FL107
FL108
FL109
L4
L5
L6
L11
L12
L13
L14
L15
C919
C926
C66
C602
C695
C48
C173
C175
R509
R510
R556
R654
R500
TL250
TL5
TL6
TL17
TL25
TL30
TL70
TL91
TL130
TL164
TL166
TL168
TL169
TL170
TL181
TL191
P1
R505
R507
R508
R868
R869
R867

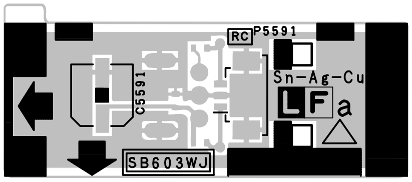
PC I/F UNIT (Side-A)

PC I/F-EINHEIT (Seite-A)

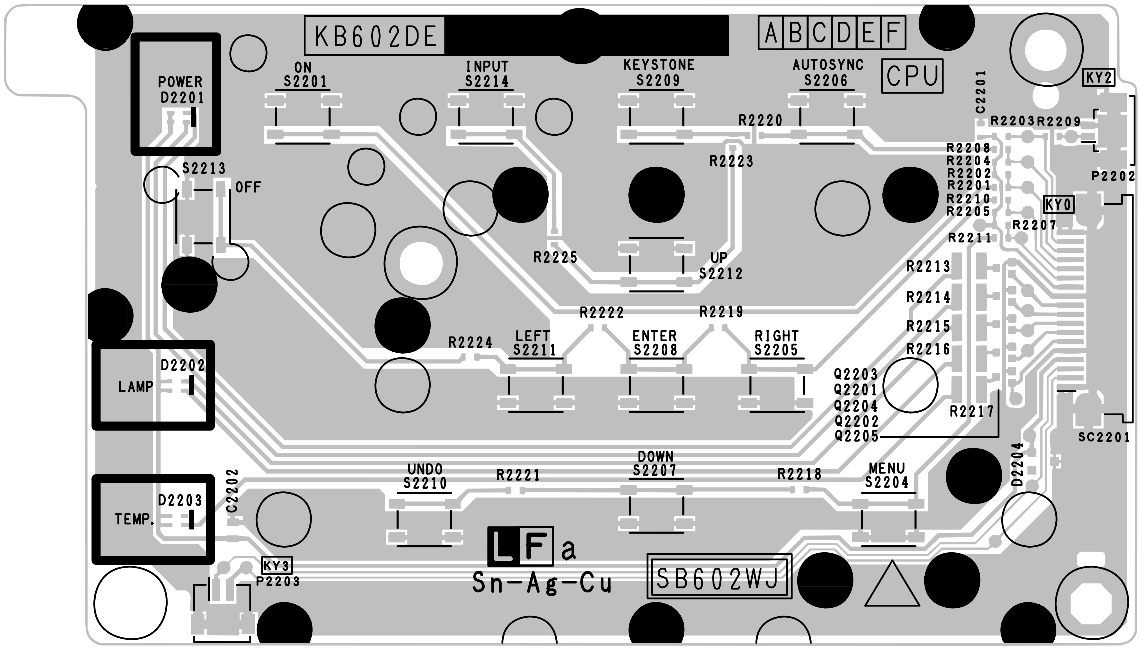

H
G
F
E
D
C
B
A
1
2
3
4
5
6
CPCI-A002CE
(RPCI-A002WJ)
REF.NO.(REF.8XXX)
1
IC2
IC368
IC364
IC30
IC28
IC366
SC1
IC321
IC322
IC4
IC298
IC330
IC331
SC2
X4
X5
SW1
IC11
IC12
IC21
IC9
IC10
C375
C32
FL103
FL41
L3
L2
R520
R516
C929
C922
C921
C35
C39
C447
C454
R856
R857
R999
R117
R175
R93
R114
R176
R177
R116
TL199

PC I/F UNIT (Side-B)

PC I/F-EINHEIT (Seite-B)

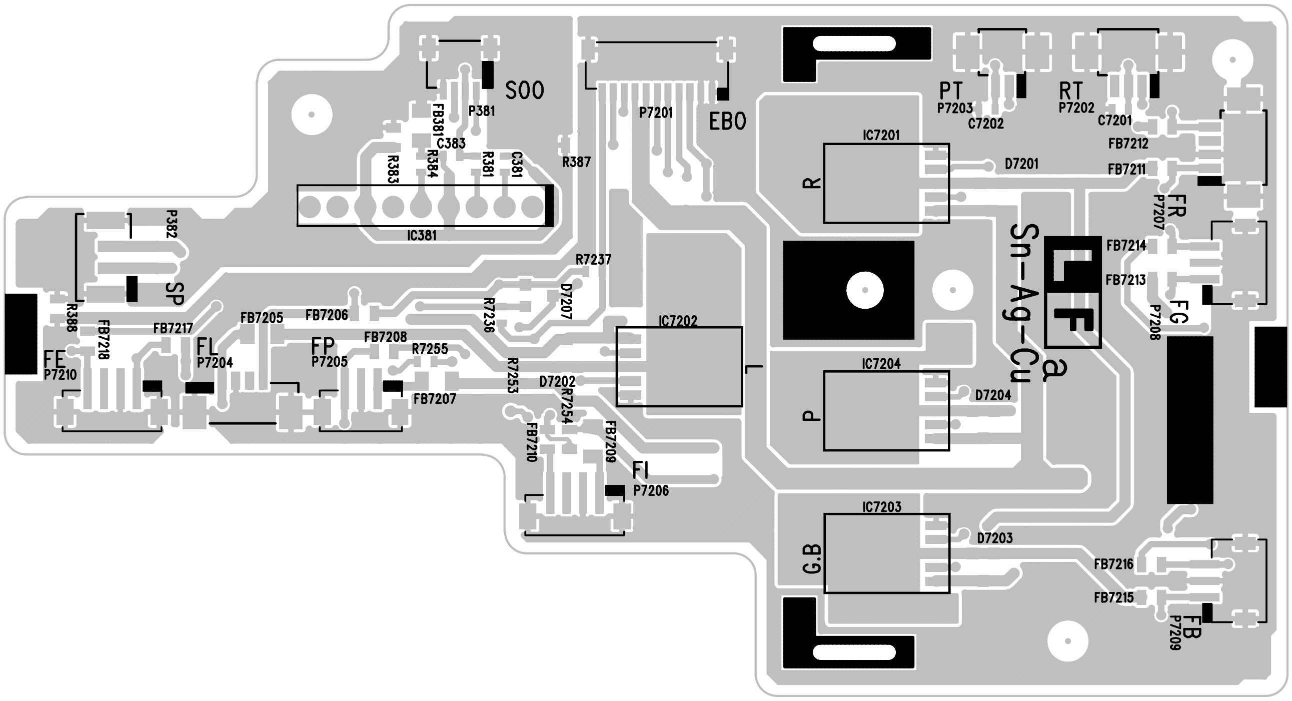

RC
P5591
C5591
Sn-Ag-Cu
LFa
SB603WJ

R/C RECEIVER UNIT (Wiring Side)
FERNBEDIENUNGS-EINHEIT (Leiterbahnseite)


KB602DE
ABCDEF
CPU
POWER
D2201
ON
S2201
INPUT
S2214
KEYSTONE
S2209
AUTOSYNC
S2206
C2201
KY2
R2203
R2209
R2220
R2208
R2204
R2202
R2201
R2210
R2205
P2202
S2213
OFF
R2223
KY0
R2207
R2211
R2225
UP
S2212
R2213
R2214
R2222
R2219
R2215
R2224
LEFT
S2211
ENTER
S2208
RIGHT
S2205
R2216
LAMP
D2202
Q2203
Q2201
Q2204
Q2202
Q2205
R2217
SC2201
D2204
DOWN
S2207
UNDO
S2210
R2221
R2218
MENU
S2204
TEMP.
D2203
C2202
KY3
P2203
LFa
Sn-Ag-Cu
SB602WJ

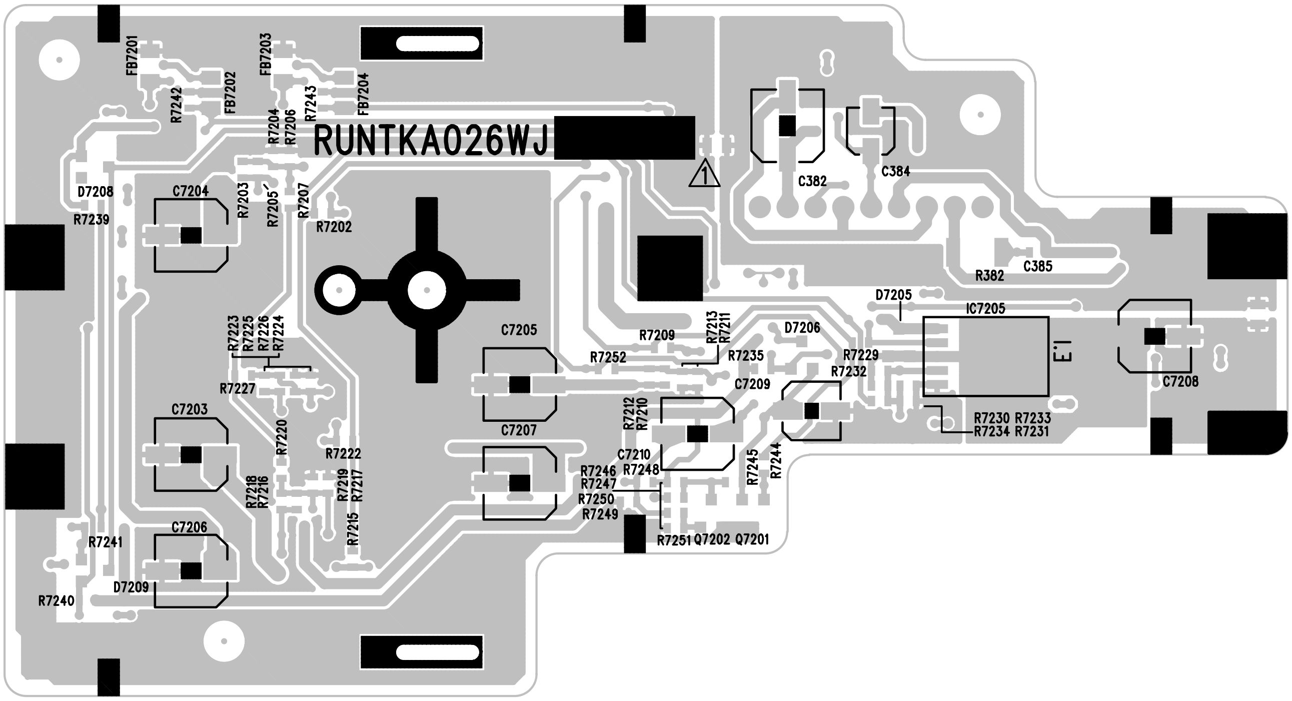
KEY UNIT (Wiring Side)
SCHLÜSELL-EINHEIT (Leiterbahnseite)

H
G
F
E


S00
P381
FB381
C383
R383
R384
R381
C381
R387
IC381
P7201
EB0
PT
P7203
C7202
RT
P7202
C7201
FB7212
FB7211
IC7201
D7201
R
FR
P7207
Sn-Ag-Cu
LF
a
FB7214
FB7213
FG
P7208
P382
SP
R388
FB7218
FB7217
FE
P7210
FL
P7204
FB7205
FB7206
FP
P7205
FB7208
R7255
FB7207
R7237
R7236
D7207
IC7202
R7253
D7202
R7254
IC7204
D7204
P
FB7210
FB7209
FI
P7206
IC7203
D7203
G.B
FB7216
FB7215
FB
P7209

FAN UNIT (Side-A)
GEBLÄSE-EINHEIT (Seite-A)

D
C
B


FB7201
R7242
FB7202
FB7203
R7204
R7206
R7243
FB7204
RUNTKA026WJ
1
C382
C384
D7208
R7239
C7204
R7203
R7205
R7207
R7202
R382
C385
D7205
IC7205
E'1
C7208
R7223
R7225
R7226
R7224
C7205
R7209
R7213
R7211
D7206
R7252
R7235
R7229
R7232
R7227
C7209
C7203
R7220
C7207
R7212
R7210
R7230 R7233
R7234 R7231
R7222
C7210
R7246
R7248
R7245
R7244
R7218
R7216
R7219
R7217
R7247
R7250
R7249
R7215
C7206
R7241
R7251
Q7202
Q7201
D7209
R7240

A

FAN UNIT (Side-B)
GEBLÄSE-EINHEIT (Seite-B)

1 2 3 4 5 6

PARTS LIST

PARTS REPLACEMENT

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER	2. REF. NO.
3. PART NO.	4. DESCRIPTION
5. CODE	6. QUANTITY

in **USA**: Contact your nearest SHARP Parts Distributor.
For location of SHARP Parts Distributor,
Please call Toll-Free; 1-800-BE-SHARP

in **CANADA**: Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100.

★ MARK: SPARE PARTS-DELIVERY SECTION

PRINTED WIRING BOARD ASSEMBLIES
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	DUNTKB170DE04	-	Input Unit	—
	DUNTKB929FE01	-	Output Unit	—
	DUNTKB602DE01	-	Key Unit	—
	DUNTKB603DE01	-	R/C Receiver Unit	—
	RUNTKA058WJZZ	-	AC Inlet Unit	—
	RUNTKA026WJN1	-	Fan Unit	—
	RDENCA044WJZZ	-	Power Unit	—
	CPCi-A002CE30	J	PC I/F Unit	CS
	RDENCA045WJZZ	J	Ballast Unit	BZ

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenshaften sind in den Ersatzteil durch "⚠" gekenn-zeichnet. Der Gebrauch von Ersatzteilen, die nicht deselben Sicherheitseigenschaften haben wie die vom Hersteller empfohlenen ud in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATSTEILE BESTELLT"

Damit Ihre Bestellung promt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR.	2. REF. NR.
3. ERSATZTEIL NR.	4. BESCHREIBUNG
5. KODE	6. QUANTITÄT

★ MARKIERUNG : ERSATZTEILE-LIEFERUNG

DUNTKB170DE04
INPUT UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC3001	VHi24LC21+12ES	J	24LC21	
IC3051	VHi24LC21+12ES	J	24LC21	
IC3101	VHiAD8185++-1Y	J	AD8185ARU	AW
IC3102	VHiLM2664++-1Y	J	LM2664M6X	AK
IC3151	RH-iX1945CEZZY	J	74F04SJ	AE
IC3152	VHiTC7W125U-1Y	J	TC7W125FU	AF
IC3153	VHiT7WT240U-1Y	J	TC7WT240FU	AF
IC3154	VHiT7WT240U-1Y	J	TC7WT240FU	AF
IC3602	VHiUPD4721G-1Y	J	UPD4721GS-GJG	AN

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q3151	VSDTC144EUA-1Y	J	DTC144EUA	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D401	VHDMA3120WA-1Y	J	MA3120WA	AD
D402	VHDMA3120WA-1Y	J	MA3120WA	AD
D3001	VHDKDS226//-1Y	J	KDS226	AB
D3002	VHDKDS226//-1Y	J	KDS226	AB
D3004	VHDKDS226//-1Y	J	KDS226	AB
D3005	VHDKDS226//-1Y	J	KDS226	AB
D3051	VHDKDS226//-1Y	J	KDS226	AB
D3052	VHDKDS226//-1Y	J	KDS226	AB
D3054	VHDKDS226//-1Y	J	KDS226	AB
D3055	VHDKDS226//-1Y	J	KDS226	AB
D3102	VHDKDS226//-1Y	J	KDS226	AB
D3103	VHDKDS226//-1Y	J	KDS226	AB
D3104	VHDKDS226//-1Y	J	KDS226	AB
D3105	VHDKDS226//-1Y	J	KDS226	AB
D3106	VHDKDS226//-1Y	J	KDS226	AB
D3109	VHDKDS226//-1Y	J	KDS226	AB
D3110	VHDKDS226//-1Y	J	KDS226	AB
D3111	VHDKDS226//-1Y	J	KDS226	AB
D3112	VHDKDS226//-1Y	J	KDS226	AB
D3113	VHDKDS226//-1Y	J	KDS226	AB
D3114	VHDKDS226//-1Y	J	KDS226	AB
D3606	VHDMA3120WA-1Y	J	MA3120WA	AD
D3607	VHDMA3120WA-1Y	J	MA3120WA	AD
D3608	VHDDAN202K/-1Y	J	DAN202K	AB

DUNTKB170DE04
INPUT UNIT(Continued)

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL402	RFiLN0514CEZZY	J	Filter	AE
FL403	RFiLN0017TAZZY	J	Filter	AC
FL431	RFiLN0017TAZZY	J	Filter	AC
FL3001	RFiLN0003TAZZY	J	Filter	AD
FL3002	RFiLN0003TAZZY	J	Filter	AD
FL3003	RFiLN0003TAZZY	J	Filter	AD
FL3051	RFiLN0003TAZZY	J	Filter	AD
FL3052	RFiLN0003TAZZY	J	Filter	AD
FL3053	RFiLN0003TAZZY	J	Filter	AD
FL3101	RFiLN0003TAZZY	J	Filter	AD
FL3102	RFiLN0003TAZZY	J	Filter	AD
FL3103	RFiLN0003TAZZY	J	Filter	AD
L3001	VP-1M100J1R6NY	J	Peaking 10μH	AB
L3101	VPCKM100J1R3NY	J	Peaking 10μH	AB
L3102	VP-1M100J1R6NY	J	Peaking 10μH	AB
L3103	VPCKM100J1R3NY	J	Peaking 10μH	AB

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C421	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C422	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C431	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C432	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C441	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C442	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C3001	VCEAPF0JW476MY	J	47 6.3V Electrolytic	AB
C3002	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C3003	VCCCCY1HH330JY	J	33p 50V Ceramic	AA
C3004	VCCCCY1HH330JY	J	33p 50V Ceramic	AA
C3006	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3007	VCCCCY1HH180JY	J	18p 50V Ceramic	AA
C3008	VCCCCY1HH180JY	J	18p 50V Ceramic	AA
C3009	VCCCCY1HH180JY	J	18p 50V Ceramic	AA
C3051	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C3052	VCCCCY1HH330JY	J	33p 50V Ceramic	AA
C3053	VCCCCY1HH330JY	J	33p 50V Ceramic	AA
C3055	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3056	VCCCCY1HH180JY	J	18p 50V Ceramic	AA
C3057	VCCCCY1HH180JY	J	18p 50V Ceramic	AA
C3058	VCCCCY1HH180JY	J	18p 50V Ceramic	AA
C3101	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3102	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C3103	VCAAPC1AJ106MY	J	10 10V Electrolytic	AE
C3104	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3105	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3106	VCEAPF1CW226MY	J	22 16V Electrolytic	AB
C3107	VCEAPF1CW226MY	J	22 16V Electrolytic	AB
C3108	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3109	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3110	VCE9PF0JW476MY	J	47 6.3V Elect.(N,P)	AD
C3111	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C3112	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C3113	VCE9PF0JW476MY	J	47 6.3V Elect.(N,P)	AD
C3114	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C3115	VCE9PF0JW476MY	J	47 6.3V Elect.(N,P)	AD
C3116	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C3117	VCE9PF0JW476MY	J	47 6.3V Elect.(N,P)	AD
C3118	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C3119	VCE9PF0JW476MY	J	47 6.3V Elect.(N,P)	AD
C3120	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C3121	VCE9PF0JW476MY	J	47 6.3V Elect.(N,P)	AD
C3122	VCCCCY1HH102JY	J	1000p 50V Ceramic	AB
C3126	VCCCCY1HH102JY	J	1000p 50V Ceramic	AB
C3151	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3152	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C3153	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C3154	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3155	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3156	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3602	VCEAPF1HW225MY	J	2.2 50V Electrolytic	AB
C3603	VCEAPF1HW225MY	J	2.2 50V Electrolytic	AB
C3604	VCEAPF1HW225MY	J	2.2 50V Electrolytic	AB
C3605	VCEAPF1HW225MY	J	2.2 50V Electrolytic	AB
C3606	VCEAPF1HW225MY	J	2.2 50V Electrolytic	AB
C3607	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R409	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R410	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R431	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R3002	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R3003	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R3004	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R3006	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R3007	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3008	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3009	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3010	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3011	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3012	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3013	VRS-CY1JF271JY	J	270 1/16W Metal Oxide	AA
R3014	VRS-CY1JF271JY	J	270 1/16W Metal Oxide	AA
R3052	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R3053	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R3054	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R3056	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R3057	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3058	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3059	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3060	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3061	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3062	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3063	VRS-CY1JF271JY	J	270 1/16W Metal Oxide	AA
R3064	VRS-CY1JF271JY	J	270 1/16W Metal Oxide	AA
R3103	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R3104	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R3105	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R3106	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R3107	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R3108	VRS-TW2ED750JY	J	75 1/4W Metal Oxide	AA
R3109	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3111	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3113	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3115	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3117	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3119	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3121	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R3122	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA
R3123	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R3124	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA
R3151	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3152	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3155	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3156	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3157	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R3613	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3614	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3615	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3616	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R3617	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R5501	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R5502	VRS-CY1JF823JY	J	82k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB422	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB423	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB431	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB433	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB434	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB442	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB443	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB3002	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3003	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3004	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3005	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3052	RBLN-0060TAZZY	J	Ferrite Bead	AB

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INPUT UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
FB3053	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3054	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3055	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3101	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3102	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3602	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB3603	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB3609	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB5501	RBLN-0058CEZZY	J	Ferrite Bead	AB
J402	QSOCD0403GEZZ	J	Socket, Input 4	AE
J421	QJAKJ0008GEZZ	J	Jack, Audio IN1/2	AD
J431	QJAKG0064CEZZ	J	Jack, Input 3	AG
J441	QJAKJ0008GEZZ	J	Jack, Audio Out	AD
J5501	QJAKJ0007TAZZ	J	Jack, Wired R/C In	AC
SC3001	QSOCN0448FJZZ	J	Socket, 17pin(Input4)	AM
SC3051	QSOCN0448FJZZ	J	Socket, 17pin(Input2)	AM
SC3101	QSOCN0344FJZZ	J	Socket, 17pin (Output/Input1,2)	AM
SC3102	QCNCW3026TAZZ	J	Socket, 30pin(1A)	AF
SC3601	QSOCD0901CEZZ	J	RS-232C Terminal	AH
SC3602	QCNCW2026TAZZ	J	Socket, 20pin(1B)	AE

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OUTPUT UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC302	VHiLV4053AT-1Y	J	SN74LV4053APWR	AE
IC303	VHiBA3530FS-1Y	J	BA3530FS-E1	AM
IC1101	VHiL3E06100-1Q	J	I.C	BA
IC1201	VHiL3E06100-1Q	J	I.C	BA
IC1301	VHiL3E06100-1Q	J	I.C	BA
IC1401	VHiL3E07070-1Q	J	I.C	BB
IC1502	VHiNJM2904V-1Y	J	NJM2904V	AF
IC1505	VHiTC4W53U/-1Y	J	TC4W53FU	AF
IC1506	VHiNJM2904V-1Y	J	NJM2904V	AF
IC2401	VHiSM5301AS-1Y	J	SM5301AS-G-ET	AR
IC2402	VHiLMV7239+-1Y	J	LMV7239M5X	AH
IC2403	VHiLMV7239+-1Y	J	LMV7239M5X	AH
IC2404	VHiLV125AT+-1Y	J	SN74LV125APWR	AE
IC2602	RH-iXA730WJZZQ	J	IC	AP
IC2603	VHiBD4729G+-1Y	J	BD4729G-TR	AD
IC2604	VHiSN2G32CT-1Y	J	SN74AHC2G32HDC	AE
IC2605	VHiHN24256T-1Y	J	HN58X24256TI	AT
IC2606	VHiSN2G53CT-1Y	J	SN74AHC2G53HDC	AE
IC2607	VHiAHCT08PW-1Y	J	SN74AHCT08PW	AD
IC2701	VHiM62320FP-1Y	J	M62320FP	AH
IC2702	VHiM62320FP-1Y	J	M62320FP	AH
IC2751	VHiM62392FP-1Y	J	M62392FP	AM
IC2752	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC4502	VHiNJM2244M-1Y	J	NJM2244M	AG
IC4505	VHiBA7655AF-1Y	J	BA7655AF	AG
IC4506	VHiNJM2060V-1Y	J	NJM2060V	AF
IC4507	VHiTHC4538T-1Y	J	TC74HC4538AFT	AL
IC4508	VHiSNT1G08C-1Y	J	SN74AHCT1G08DC	AD
IC4510	VHiSNT1G08C-1Y	J	SN74AHCT1G08DC	AD
IC4511	VHiNJM2244M-1Y	J	NJM2244M	AG
IC7001	VHiPQ1R33//-1Y	J	PQ1R33	AE
IC7002	VHiPQ05DZ1U-1Y	J	PQ05DZ1U	AG
IC7003	VHiPQ3DZ13U-1Y	J	PQ3DZ13U	AG
IC7004	VHiPQ05DZ1U-1Y	J	PQ05DZ1U	AG
IC7005	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7006	VHiPQ018EZ5-1Y	J	PQ018EZ5MZP	AF
IC7007	VHiT7MA541K-1Y	J	TC7MA541FK	AH

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q301	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q302	VS2SD1760QA-1Y	J	2SD1760QA	AD
Q303	VS2SD1760QA-1Y	J	2SD1760QA	AD
Q304	VSHN2C01FU/-1Y	J	HN2C01FU	AC
Q305	VSHN2C01FU/-1Y	J	HN2C01FU	AC
Q306	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q307	VSDTC114EUA-1Y	J	DTC114EUA	AB
Q308	VSDTC114EUA-1Y	J	DTC114EUA	AB
Q1101	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1102	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1103	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1104	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1201	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1202	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1203	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1204	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1301	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1302	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1303	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1304	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1501	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2401	VS2SC2735//-1Y	J	2SC2735	AB
Q2402	VS2SC2735//-1Y	J	2SC2735	AB
Q2403	VS2SC2735//-1Y	J	2SC2735	AB
Q2415	VSHN1B04FU/-1Y	J	HN1B04FU	AC
Q2416	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2417	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2418	VSDTC114EUA-1Y	J	DTC114EUA	AB
Q2419	VSHN1C01FU/-1Y	J	HN1C01FU	AC
Q2420	VSHN1C01FU/-1Y	J	HN1C01FU	AC
Q2701	VSBSN20////-1Y	J	BSN20	AD

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OUTPUT UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
Q2702	VSHN1K03FU+-1Y	J	HN1K03FU	AD
Q2751	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2752	VSHN2C01FU/-1Y	J	HN2C01FU	AC
Q2753	VSDTA114EUA-1Y	J	DTA114EUA	AB
Q2754	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2755	VSDTC114EUA-1Y	J	DTC114EUA	AB
Q2756	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q4501	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q4502	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q4504	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q4505	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q4506	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q4511	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q4512	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q4513	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q4514	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q4515	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q7001	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q7003	VSDTC114EUA-1Y	J	DTC114EUA	AB
Q7004	VSDTC114EUA-1Y	J	DTC114EUA	AB
Q7005	VSDTC114EUA-1Y	J	DTC114EUA	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D1501	VHDDAN202K/-1Y	J	DAN202K	AB
D2751	VHDDAN202K/-1Y	J	DAN202K	AB
D2752	VHDDAN202K/-1Y	J	DAN202K	AB
D4501	RH-EX0519CEZZY	J	Zener Diode, EX0519CE	AB
D4502	RH-EX0519CEZZY	J	Zener Diode, EX0519CE	AB
D4503	VHDMA152WA/-1Y	J	MA152WA	AB
D4504	VHDMA152WA/-1Y	J	MA152WA	AB
D7001	VHDDAN202K/-1Y	J	DAN202K	AB
D7002	VHDDAN202K/-1Y	J	DAN202K	AB
D7003	VHDDAN202K/-1Y	J	DAN202K	AB
D7004	VHDDAN202K/-1Y	J	DAN202K	AB
D7005	VHDDAN202K/-1Y	J	DAN202K	AB

CRYSTAL

Ref. No.	Part No.	★	Description	Code
X2601	RCRSB0286CEZZY	J	Crystal	AH

COILS AND FILTERS

Ref. No.	Part No.	★	Description	Code
L1101	VPCKM100J1R3NY	J	Peaking 10μH	AB
L1201	VPCKM100J1R3NY	J	Peaking 10μH	AB
L1301	VPCKM100J1R3NY	J	Peaking 10μH	AB
L4501	VPCKM220J2R1NY	J	Peaking 22μH	AB
L4504	VPCKM220J2R1NY	J	Peaking 22μH	AB

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C301	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C302	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C303	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C305	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C309	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C310	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C311	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C312	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C313	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C314	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C316	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C318	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C319	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C320	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C321	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C322	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C323	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C324	VCCCCY1HH102JY	J	1000p	50V	Ceramic	AB
C326	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C327	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1101	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1103	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1105	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1106	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1107	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1108	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1109	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1110	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1111	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1113	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1114	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1115	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1116	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1118	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1119	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1120	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1121	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1122	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1123	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1124	VCEAPV1EW336MY	J	33	25V	Electrolytic	AD
C1125	VCCCCY1HH102JY	J	1000p	50V	Ceramic	AB
C1126	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C1201	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1203	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1205	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1206	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1207	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1208	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1209	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1210	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1211	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1213	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1214	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1215	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1216	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1218	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1219	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1220	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1221	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1222	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1223	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1224	VCEAPV1EW336MY	J	33	25V	Electrolytic	AD
C1225	VCCCCY1HH102JY	J	1000p	50V	Ceramic	AB
C1226	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C1301	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1303	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1305	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1306	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1307	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1308	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1309	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1310	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1311	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1313	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1314	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1315	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1316	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1318	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1319	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1320	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1321	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1323	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1324	VCEAPV1EW336MY	J	33	25V	Electrolytic	AD
C1325	VCCCCY1HH102JY	J	1000p	50V	Ceramic	AB
C1326	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C1332	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1401	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1402	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1403	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1404	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1406	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1407	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1408	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1409	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1410	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1411	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C1412	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1413	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1414	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA

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Ref. No.	Part No.	★	Description			Code
C1415	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1416	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1419	VCCCCY1HH102JY	J	1000p	50V	Ceramic	AB
C1501	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C1502	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1503	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1504	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C1506	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C1508	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1509	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1510	VCCCCY1HH271JY	J	270p	50V	Ceramic	AA
C1511	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1512	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2401	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2407	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2408	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2409	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C2410	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2411	VCKYCY1AB105KY	J	1	10V	Ceramic	AB
C2412	VCKYCY1AB105KY	J	1	10V	Ceramic	AB
C2413	VCKYCY1AB105KY	J	1	10V	Ceramic	AB
C2420	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2421	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C2423	VCCCCY1HH5R0CY	J	5.0p	50V	Ceramic	AA
C2424	VCKYCY1HB222KY	J	2200p	50V	Ceramic	AA
C2425	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2426	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C2427	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2428	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C2429	VCKYCY1AB105KY	J	1	10V	Ceramic	AB
C2441	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C2442	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2443	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2445	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C2446	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C2447	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C2448	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2601	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2602	VCCCCY1HH471JY	J	470p	50V	Ceramic	AA
C2604	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2605	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2606	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2607	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2608	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2609	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2610	VCEAPF0JW476MY	J	47	6.3V	Electrolytic	AB
C2611	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2612	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2613	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2614	VCCCCY1HH220JY	J	22p	50V	Ceramic	AA
C2615	VCCCCY1HH220JY	J	22p	50V	Ceramic	AA
C2616	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2617	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2618	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2619	VCCCCY1HH220JY	J	22p	50V	Ceramic	AA
C2621	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2622	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2701	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C2702	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2703	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2751	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2752	VCEAPF1EW226MY	J	22	25V	Electrolytic	AD
C2757	VCEAPF1CW476MY	J	47	16V	Electrolytic	AC
C2759	VCEAPF1CW476MY	J	47	16V	Electrolytic	AC
C2760	VCEAPF1HW225MY	J	2.2	50V	Electrolytic	AB
C4501	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C4503	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4504	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C4505	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C4506	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4523	VCCCCY1HH471JY	J	470p	50V	Ceramic	AA
C4524	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4525	VCKYTV1CB334KY	J	0.33	16V	Ceramic	AC
C4546	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4547	VCCCCY1HH270JY	J	27p	50V	Ceramic	AA
C4548	VCCCCY1HH120JY	J	12p	50V	Ceramic	AA
C4549	VCCCCY1HH100DY	J	10p	50V	Ceramic	AA
C4551	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4552	VCEAPF0JW476MY	J	47	6.3V	Electrolytic	AB
C4555	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4556	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C4557	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4558	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4559	VCEAPF1HW225MY	J	2.2	50V	Electrolytic	AB
C4560	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C4561	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C4564	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C4565	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4566	VCCCCY1HH471JY	J	470p	50V	Ceramic	AA
C4567	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C4569	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4570	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C4571	VCCCCY1HH102JY	J	1000p	50V	Ceramic	AB
C4572	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4573	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4574	VCE9PF1CW106MY	J	10	16V	Elect.(N,P)	AC
C4575	VCE9PF1CW106MY	J	10	16V	Elect.(N,P)	AC
C4576	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C4579	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C4580	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C7001	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7002	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7003	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7004	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7005	VCEAPF1CW476MY	J	47	16V	Electrolytic	AC
C7006	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C7007	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C7008	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7009	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C7011	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C7012	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C7013	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7014	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7015	VCEAPF1EW226MY	J	22	25V	Electrolytic	AD
C7016	VCEAPF1EW226MY	J	22	25V	Electrolytic	AD
C7017	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C7018	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7019	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C7021	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C7031	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C7041	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7042	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7043	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7044	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7045	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7046	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7047	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7048	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7049	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7050	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7051	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7052	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7053	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7054	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7055	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7056	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7057	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7058	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7059	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7060	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7061	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7062	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7063	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7064	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7065	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA
C7066	VCCCCY1HH470JY	J	47p	50V	Ceramic	AA

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OUTPUT UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
C7067	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7068	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7069	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7070	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7071	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R301	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R302	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R303	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R304	VRS-CE3AF1R0JY	J	1 1W Metal Oxide	AC
R305	VRS-TX2HF2R2JY	J	2.2 1/2W Metal Oxide	AB
R306	VRS-TX2HF2R2JY	J	2.2 1/2W Metal Oxide	AB
R307	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R308	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA
R310	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R311	VRS-CY1JF432JY	J	4.3k 1/16W Metal Oxide	AA
R313	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R314	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R315	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R316	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R317	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R318	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R319	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R320	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R321	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R322	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R323	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R324	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R325	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R326	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R327	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R328	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R329	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R330	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R331	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA
R332	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA
R333	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R334	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R335	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R336	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R337	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R338	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R339	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R340	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA
R341	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R342	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R343	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R344	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R345	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA
R346	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R347	VRS-CY1JF154JY	J	150k 1/16W Metal Oxide	AA
R348	VRS-CY1JF154JY	J	150k 1/16W Metal Oxide	AA
R349	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R350	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R351	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R352	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R353	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R354	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R355	VRS-CY1JF681JY	J	680 1/16W Metal Oxide	AA
R356	VRS-CY1JF681JY	J	680 1/16W Metal Oxide	AA
R357	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R358	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R1101	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1102	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1103	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1108	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1110	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1111	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1112	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1113	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1114	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1115	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1116	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1117	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1119	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1120	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1121	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1122	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1123	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1124	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1126	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1127	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1128	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1129	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1130	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1131	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1132	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1133	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1135	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1137	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1138	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1139	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1140	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1141	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1142	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1143	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1144	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1145	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1146	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1147	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1148	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1149	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1150	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1151	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1152	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1153	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1163	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1168	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1171	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1172	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1173	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1174	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1175	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1176	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1177	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1178	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1179	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1180	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1181	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R1182	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1201	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1202	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1203	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1208	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1210	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1211	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1212	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1213	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1214	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1215	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1216	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1217	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1219	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1220	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1221	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1222	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1223	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1224	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1226	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1227	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1228	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1229	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1230	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1231	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1232	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA

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OUTPUT UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R1233	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1235	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1237	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1238	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1239	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1240	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1241	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1242	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1243	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1244	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1245	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1246	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1247	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1248	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1249	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1250	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1251	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1252	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1253	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1263	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1268	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1271	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1272	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1273	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1274	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1275	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1276	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1277	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1278	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1279	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1280	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1281	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R1282	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1301	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1302	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1303	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1308	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1310	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1311	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1312	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1313	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1314	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1315	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1316	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1317	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1319	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1320	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1321	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1322	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1323	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1324	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1326	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1327	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1328	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1329	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1330	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1331	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1332	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1333	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1335	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1337	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1338	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1339	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1340	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1341	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1342	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1343	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1344	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1345	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1346	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1347	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1348	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1349	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1350	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1351	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1352	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1353	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1363	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1368	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1371	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1372	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1373	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1374	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1375	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1376	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1377	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1378	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1379	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1380	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1381	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R1382	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1402	VRS-CH1JF103JY	J	10k 1/16W Metal Oxide	AA
R1403	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1404	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1405	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1407	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1408	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1409	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1410	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1411	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1412	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1413	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1414	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1416	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1418	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1419	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1420	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1421	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1425	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1426	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1427	VRS-CY1JF203JY	J	20k 1/16W Metal Oxide	AA
R1428	VRS-CY1JF750JY	J	75 1/16W Metal Oxide	AA
R1429	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1430	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R1431	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1434	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1435	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1436	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1437	VRS-CH1JF000JY	J	0 1/16W Metal Oxide	AA
R1438	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1439	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1440	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1441	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1442	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1443	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1444	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1445	VRS-CH1JF000JY	J	0 1/16W Metal Oxide	AA
R1447	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1448	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1449	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1450	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1451	VRS-CH1JF000JY	J	0 1/16W Metal Oxide	AA
R1453	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1454	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1455	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1456	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1457	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1458	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1459	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1460	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1461	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R1463	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R1468	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1504	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1507	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1510	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA

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OUTPUT UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R1516	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1519	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R1522	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1526	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1530	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1531	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1532	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
R1533	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R1534	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
R1535	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
R1537	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1538	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1539	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1540	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R1541	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R1547	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R1548	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA
R1549	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R1550	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1551	VRS-CY1JF822JY	J	8.2k 1/16W Metal Oxide	AA
R1552	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1553	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2401	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2402	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2409	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2410	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2411	VRS-TV1JD680JY	J	68 1/16W Metal Oxide	AA
R2412	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2413	VRS-TV1JD680JY	J	68 1/16W Metal Oxide	AA
R2415	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2416	VRS-TV1JD680JY	J	68 1/16W Metal Oxide	AA
R2417	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2418	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R2440	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2441	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2442	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R2443	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R2444	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R2445	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R2446	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R2447	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2448	VRS-CY1JF392FY	J	3.9k 1/16W Metal Oxide	AA
R2449	VRS-CY1JF151FY	J	150 1/16W Metal Oxide	AA
R2450	VRS-CY1JF112FY	J	1.1k 1/16W Metal Oxide	AA
R2451	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R2452	VRS-CY1JF183JY	J	18k 1/16W Metal Oxide	AA
R2456	VRS-CY1JF183JY	J	18k 1/16W Metal Oxide	AA
R2457	VRS-CY1JF183JY	J	18k 1/16W Metal Oxide	AA
R2458	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2459	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2460	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2461	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2462	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2463	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2464	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2465	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2466	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2467	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2602	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2603	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2604	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2605	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R2609	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2611	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2612	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2614	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2615	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2616	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R2618	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2620	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2621	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R2622	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R2623	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R2625	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2626	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2628	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2629	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2631	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2632	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2635	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2636	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2637	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2638	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2639	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2640	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R2641	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R2642	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2643	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2644	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2645	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2646	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2647	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2652	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2701	VRS-CJ1JF101JY	J	100 1/16W Metal Oxide	AA
R2702	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2704	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2705	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2706	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2707	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2708	VRS-CJ1JF101JY	J	100 1/16W Metal Oxide	AA
R2711	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2712	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2713	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2714	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2715	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA
R2716	VRS-CJ1JF101JY	J	100 1/16W Metal Oxide	AA
R2718	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2721	VRS-CY1JF473FY	J	47k 1/16W Metal Oxide	AA
R2723	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2724	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA
R2725	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2726	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2751	VRS-CJ1JF101JY	J	100 1/16W Metal Oxide	AA
R2752	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2753	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2754	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2755	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R2756	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2758	VRS-CE3AF1R0JY	J	1 1W Metal Oxide	AC
R2759	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R2760	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2761	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2762	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2763	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA
R2767	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2770	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R2771	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA
R2772	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2773	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2774	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4501	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4503	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4504	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R4505	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4506	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R4507	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4508	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4509	VRS-TV1JD000JY	J	0 1/16W Metal Oxide	AA
R4518	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4519	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R4520	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4521	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R4522	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R4523	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA
R4524	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R4542	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA

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OUTPUT UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R4543	VRS-CY1JF911JY	J	910 1/16W Metal Oxide	AB
R4544	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R4545	VRS-CY1JF182FY	J	1.8k 1/16W Metal Oxide	AA
R4546	VRS-CY1JF221FY	J	220 1/16W Metal Oxide	AA
R4547	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4548	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R4549	VRS-CY1JF183JY	J	18k 1/16W Metal Oxide	AA
R4550	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4551	VRS-TV1JD000JY	J	0 1/16W Metal Oxide	AA
R4553	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4555	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4556	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R4557	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R4558	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA
R4559	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA
R4560	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4561	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R4562	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R4563	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4564	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA
R4565	VRS-CY1JF274JY	J	270k 1/16W Metal Oxide	AA
R4566	VRS-CY1JF683JY	J	68k 1/16W Metal Oxide	AA
R4567	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4568	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4569	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4570	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4571	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R4572	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4573	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4574	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4575	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4576	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4577	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R4578	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4580	VRS-CY1JF394JY	J	390k 1/16W Metal Oxide	AA
R4581	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4585	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4586	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R4587	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4589	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4590	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4592	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4593	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4594	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7001	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7002	VRS-TX2HF1R0JY	J	1 1/2W Metal Oxide	AB
R7004	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R7005	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R7009	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7010	VRS-TX2HF1R0JY	J	1 1/2W Metal Oxide	AB
R7011	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7012	VRS-TX2HF1R0JY	J	1 1/2W Metal Oxide	AB
R7013	VRS-CY1JF683JY	J	68k 1/16W Metal Oxide	AA
R7014	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R7015	VRS-CY1JF152FY	J	1.5k 1/16W Metal Oxide	AA
R7016	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7023	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7025	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7026	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7027	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7028	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R7029	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7030	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7031	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7033	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7034	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7040	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7041	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7050	VRN-CY1JF103DY	J	10k 1/16W Metal Film	AA
R7054	VRN-CY1JF103DY	J	10k 1/16W Metal Film	AA
R7058	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7059	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7061	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R7062	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7063	VRS-CJ1JF100JY	J	10 1/16W Metal Oxide	AA
R7064	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R7065	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R7066	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R7067	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R7068	VRS-CJ1JF100JY	J	10 1/16W Metal Oxide	AA
R7069	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R7070	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7078	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7083	VRS-TX2HF1R0JY	J	1 1/2W Metal Oxide	AB
R7084	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7090	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA

SWITCH

Ref. No.	Part No.	★	Description	Code
S2601	QSW-K0108CEZZY	J	Switch	AD

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB301	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB302	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB1102	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB1202	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB1302	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB1401	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB1402	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB2401	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB2751	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB2753	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB4503	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB7001	RBLN-0065TAZZY	J	Ferrite Bead	AA
FB7002	RBLN-0065TAZZY	J	Ferrite Bead	AA
FB7003	RBLN-0065TAZZY	J	Ferrite Bead	AA
FB7004	RBLN-0065TAZZY	J	Ferrite Bead	AA
FB7005	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7006	RBLN-0059CEZZY	J	Ferrite Bead	AB
P301	QPLGN0474TAZZY	J	Plug, 4pin(SO1)	AD
P1302	QPLGN0463TAZZY	J	Plug, 4pin(TP)	AC
P2602	QPLGN0363TAZZY	J	Plug, 3pin(RC)	AC
P2751	QPLGN1174TAZZY	J	Plug, 11pin(EB1)	AE
P2752	QPLGN0364TAZZY	J	Plug, 3pin(FD)	AC
P3102	QCNCM3021TAZZ	J	Connector, 30pin(1A)	AL
P3602	QCNCM2021TAZZ	J	Connector, 20pin(1B)	AH
P7001	QPLGNA008WJZZ	J	Plug, 24pin(EA)	AD
P7002	QPLGN0264TAZZY	J	Plug, 2pin(L1)	AC
P7004	QPLGN0264TAZZY	J	Plug, 2pin(L3)	AC
P7005	QLUGHA002WJZZ	J	Lug	AB
P7006	QPLGN0264TAZZY	J	Plug, 2pin(L2)	AC
P8001	QCNCMA019WJZZY	J	Connector, 82pin(PC0)	AH
P8002	QCNCMA019WJZZY	J	Connector, 82pin(PC1)	AH
SC1101	QSOCN3071TAZZY	J	Socket, 30pin(RP)	AE
SC1201	QSOCN3071TAZZY	J	Socket, 30pin(GP)	AE
SC1301	QSOCN3071TAZZY	J	Socket, 30pin(BP)	AE
SC2601	QSOCN1897REZZY	J	Socket, 18pin(KY)	AE
	GCOVHA014WJKZ	J	Cover	AD
	PSLDHA015WJFW	J		AE
	PSLDHA016WJFW	J		AE

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KEY UNIT

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q2201	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2202	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2203	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2204	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2205	VSDTC144EUA-1Y	J	DTC144EUA	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D2201	RH-PX0210TAZZY	J	LED, POWER	AC
D2202	RH-PX0210TAZZY	J	LED, LAMP	AC
D2203	RH-PX0210TAZZY	J	LED, TEMP	AC

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C2201	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2202	VCKYTV1EF104ZY	J	0.1 25V Ceramic	AB

RESISTORS

Ref. No.	Part No.	★	Description	Code
R2201	VRS-CY1JF751FY	J	750 1/16W Metal Oxide	AA
R2208	VRS-CY1JF751FY	J	750 1/16W Metal Oxide	AA
R2210	VRS-CY1JF751FY	J	750 1/16W Metal Oxide	AA
R2211	VRS-CY1JF751FY	J	750 1/16W Metal Oxide	AA
R2213	VRS-TW2ED471JY	J	470 1/4W Metal Oxide	AA
R2214	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R2215	VRS-TW2ED471JY	J	470 1/4W Metal Oxide	AA
R2216	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R2217	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R2218	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R2219	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R2220	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R2221	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R2222	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R2223	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R2224	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2225	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA

SWITCHES

Ref. No.	Part No.	★	Description	Code
S2201	QSW-PA012WJZZY	J	Switch, ON	AD
S2204	QSW-PA012WJZZY	J	Switch, MENU	AD
S2205	QSW-PA012WJZZY	J	Switch, CURSOL Right/ VOL +	AD
S2206	QSW-PA012WJZZY	J	Switch, AUTO SYNC	AD
S2207	QSW-PA012WJZZY	J	Switch, CURSOL DOWN	AD
S2208	QSW-PA012WJZZY	J	Switch, ENTER	AD
S2209	QSW-PA012WJZZY	J	Switch, KEYSTONE	AD
S2210	QSW-PA012WJZZY	J	Switch, UNDO	AD
S2211	QSW-PA012WJZZY	J	Switch, CURSOL LEFT/ VOL -	AD
S2212	QSW-PA012WJZZY	J	Switch, CURSOL UP	AD
S2213	QSW-PA012WJZZY	J	Switch, OFF	AD
S2214	QSW-PA012WJZZY	J	Switch, INPUT	AD

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P2203	QPLGN0264TAZZY	J	Plug, 2pin(KY3)	AC
SC2201	QSOCN1836TAZZY	J	Socket, 18pin(KY0)	AD

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R/C RECEIVER UNIT

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C5591	VCEASM0JW107MY	J	100 6.3V Electrolytic	AC
C5592	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R5591	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R5592	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P5591	QPLGN0363TAZZY	J	Plug, 3pin(RC)	AC
RMC5591	RRMCU0239CEZZ	J	Remote Receiver	AG

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AC INLET UNIT

DIODES

Ref. No.	Part No.	★	Description	Code
D701	95KUBA0011AK	J	1SS133	AB
⚠ Z701	95KUER0002ZZ	J	Varistor,ENE471D-10A	AD

COILS

Ref. No.	Part No.	★	Description	Code
⚠ L701	95KUKZ1189ZZ	J	Core, TC25T-5025RT	AL
⚠ L702	95KUKZ1189ZZ	J	Core, TC25T-5025RT	AL

CAPACITORS

Ref. No.	Part No.	★	Description	Code
⚠ C701	95KUGFM224KR	J	0.22 275V Film	AD
⚠ C702	95KUGFM474KR	J	0.47 275V Film	AG
⚠ C766	95KUGFM224KR	J	0.22 275V Film	AD
⚠ C767	95KUGCM222BJ	J	2200p Ceramic	AD
⚠ C768	95KUGCM222BJ	J	2200p Ceramic	AD

RESISTORS

Ref. No.	Part No.	★	Description	Code
⚠ R701	95KUEFB680AY	J	1M 1/2W Metal Film	AD
⚠ R702	95KUEZ0817ZZ	J	3.9 2.4W FuseResistor	AG

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ F701	95KPJCTP1002	J	Fuse, 10A/250V 215010	AF
⚠ RL701	95KPHZ0205ZZ	J	Relay, DG12D1-0(M) II 0.25W	AL
CN701	95KPZZ1018ZZ	J	Connector, 3pin(Inlet) M1909-B	AP
CN702	95KPKZ1291ZZ	J	Connector, 3pin, 3-1123724-2	AD
CN703	95KPKZ1220ZZ	J	Connector, 2pin, B02B-XASK-1	AC
CN709	95KEDB7781ZZ	J	Lead, LC302-7505	AF
MD702	95KGZZ5491ZZ	J	Insulator, LC108-3002	AE
MT701	95KLRZ7027ZQ	J	Angle, LC302-5001	AF
SC701	95KRAA3060AZ	J	ScrewX2	AB
SC702	95KRAB3060AB	J	ScrewX2	AA
SC703	95KRAZ4141ZT	J	Screw	AC

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FAN UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC381	VHiTDA7056A-1	J	TDA7056A	AP
IC7201	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7202	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7203	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7204	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7205	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q7201	VS2SA1036KR-1Y	J	2SA1036KT146R	AC
Q7202	VS2SC3928AR-1Y	J	2SC3928AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D7201	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7202	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7203	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7204	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7205	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7206	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7207	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7208	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7209	VHDDAN202K/-1Y	J	DAN202KT146	AB

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C831	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AC
C382	VCEASM1CW107MY	J	100 16V Electrolytic	AD
C384	VCEASM1CW106MY	J	10 16V Electrolytic	AC
C385	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7201	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7202	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7203	VCEASM1CW107MY	J	100 16V Electrolytic	AD
C7204	VCEASM1CW476MY	J	47 16V Electrolytic	AC
C7205	VCEASM1CW476MY	J	47 16V Electrolytic	AC
C7206	VCEASM1CW476MY	J	47 16V Electrolytic	AC
C7207	VCEASM1CW476MY	J	47 16V Electrolytic	AC
C7208	VCEASM1CW476MY	J	47 16V Electrolytic	AC
C7209	VCEASM1CW226MY	J	22 16V Electrolytic	AC
C7210	VCE9PF1CW336MY	J	33 16V Elect. (N.P)	AD

RESISTORS

Ref. No.	Part No.	★	Description	Code
R381	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R382	VRS-TX2HF8R2JY	J	8.2 1/2W Metal Oxide	AB
R384	VRS-CY1JF681JY	J	680 1/16W Metal Oxide	AA
R7202	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7203	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R7204	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7206	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R7207	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7209	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7210	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R7211	VRS-CY1JF302FY	J	3k 1/16W Metal Oxide	AA
R7212	VRS-CY1JF104FY	J	100k 1/16W Metal Oxide	AA
R7215	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7216	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R7217	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7219	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R7220	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7222	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7223	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R7224	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R7225	VRS-CY1JF823FY	J	82k 1/16W Metal Oxide	AA
R7227	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7229	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7230	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R7231	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7232	VRS-CY1JF105FY	J	1M 1/16W Metal Oxide	AA
R7233	VRS-CY1JF183FY	J	18k 1/16W Metal Oxide	AA
R7234	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7235	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7236	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7237	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA

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FAN UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R7239	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7240	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7241	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7244	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7245	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7246	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7247	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R7248	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7249	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7250	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA
R7251	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R7252	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7255	VRS-CY1JF333FY	J	33k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB381	RBLN-A007WJZZY	J	Ferrite Bead	AC
FB7201	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7202	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7203	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7204	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7205	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7206	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7207	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7208	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7209	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7210	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7211	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7212	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7213	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7214	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7215	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7216	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7217	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7218	RBLN-0059CEZZY	J	Ferrite Bead	AB
P381	QPLGN0474TAZZY	J	Plug, 4-pin (SOO)	AD
P382	QPLGN0539FJZZY	J	Plug, 2-pin (SP)	AD
P7201	QPLGN1174TAZZY	J	Plug, 11-pin (EBO)	AE
P7202	QPLGN0363TAZZY	J	Plug, 3-pin (RT)	AC
P7203	QPLGN0263TAZZY	J	Plug, 2-pin (PT)	AB
P7204	QPLGN0458REZZY	J	Plug, 4-pin (FL)	AD
P7205	QPLGN0565FJZZY	J	Plug, 3-pin (FP)	AD
P7206	QPLGN0566FJZZY	J	Plug, 4-pin (FI)	AD
P7207	QPLGN0463TAZZY	J	Plug, 4-pin (FR)	AC
P7208	QPLGN0364TAZZY	J	Plug, 3-pin (FG)	AC
P7209	QPLGN0364TAZZY	J	Plug, 3-pin (FB)	AC
P7210	QPLGN0566FJZZY	J	Plug, 4-pin (FE)	AD

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POWER UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC701	95KUCB0237AZ	J	MIP290	AM
IC702	95KUCY0153AC	J	TL431	AD
IC703	95KUCY0136AZ	J	FA5501N	AL
IC705	95KUCB0120GZ	J	UPC78M12AHF	AF
IC706	95KUCY0135AZ	J	FA5511N	AK
IC707	95KUCY0153AC	J	TL431	AD
IC7701	95KUCY0149AK	J	FA7703V	AQ
IC7702	95KUAG0236AZ	J	SI4431ADY	AH
IC7703	95KUAG0236AZ	J	SI4431ADY	AH

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q701	95KUAG0234AZ	J	2SK3451	AL
Q703	95KUAG0234AZ	J	2SK3451	AL
Q705	95KUAG0146BZ	J	2SK2480	AK
Q708	95KUAY0013AM	J	2SC1623	AC
Q709	95KUAY0012AL	J	2SA812	AC
Q7701	95KUAY0013AM	J	2SC1623	AC
Q7702	95KUAD0132AK	J	2SD2150	AD
Q7703	95KUAY0136AK	J	2SB1424	AD
Q7704	95KUAD0132AK	J	2SD2150	AD
Q7705	95KUAY0136AK	J	2SB1424	AD

DIODES

Ref. No.	Part No.	★	Description	Code
D702	95KUBY0088AK	J	SC802-09	AE
D703	95KUBY0020AK	J	1SS355	AC
D704	95KUBB0266AZ	J	D25XB80	AN
D705	95KUEXDAJ000	J	RK73K2BTD000J	AB
D706	95KUEXDAJ000	J	RK73K2BTD000J	AB
D707	95KUBHAB600A	J	SF10L60U	AH
D708	95KUBY0020AK	J	1SS355	AC
D709	95KUBY0047AK	J	U05NU44	AE
D710	95KUBY0045AK	J	SC321-2	AD
D711	95KUBY0045AK	J	SC321-2	AD
D712	95KUBY0020AK	J	1SS355	AC
D714	95KUBA0039AZ	J	DAP202UT106	AC
D715	95KUBB0166BZ	J	Diode Stack, F10P20F	AH
D716	95KUBC0264BE	J	ERB32-02	AD
D717	95KUBHAD090A	J	FSH05A09B	AP
D718	95KUBC0125DK	J	ERA15-06	AB
D719	95KUBY0043AK	J	Diode Stack, S1NB60	AE
D723	95KUBC0163BK	J	11EQS04	AE
D724	95KUBC0207AK	J	ERB83-004	AF
D7701	95KUBY0068AZ	J	D1FM3	AD
D7702	95KUBY0068AZ	J	D1FM3	AD
ZD701	95KUBDAK8R2B	J	Zener Diode, RD8.2ES	AB
ZD702	95KUBXAD3R3C	J	Zener Diode, RD3.3S	AC
ZD703	95KUBXAD150A	J	Zener Diode, RD15S	AA
ZD704	95KUBXAD180C	J	Zener Diode, RD18S	AD
ZD705	95KUBXAD270A	J	Zener Diode, RD27S	AD
ZD706	95KUBXBL170A	J	Zener Diode, ST02D-170F2	AF
ZD707	95KUBXAD3R3C	J	Zener Diode, RD3.3S	AC
ZD708	95KUBXBK3R9C	J	Zener Diode, RD3.9S	AC
ZD709	95KUBXAD5R1C	J	Zener Diode, RD5.1S	AC
ZD710	95KUBXAD180C	J	Zener Diode, RD18S	AD
ZD712	95KUBDAY3R3B	J	Zener Diode, RD3.3E	AB
ZD713	95KUBDAY3R9C	J	Zener Diode, RD3.9E	AB

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ PC701	95KUDC0163BB	J	Photo Coupler, PC123	AH
⚠ PC703	95KUDC0163BB	J	Photo Coupler, PC123	AH
⚠ PC704	95KUDC0163BB	J	Photo Coupler, PC123	AH

COILS

Ref. No.	Part No.	★	Description	Code
L703	95KUKZ1188ZZ	J	Core, TN21-03451	AK
L705	95KUKZ0784ZZ	J	Choke Coil, PC8T-3R3M	AE
L7701	95KUKZ1142ZZ	J	Filter, PLFC1255P-150A	AC
L7702	95KUKZ1142ZZ	J	Filter, PLFC1255P-150A	AC

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POWER UNIT(Continued)

TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
⚠ T701	95K829205039	J	Transformer, STTX10	AH
T702	95KUKZ1187ZZ	J	Core, TSN27T-08101	AR
⚠ T703	95K829205038	J	Transformer, PTTX88	AM

CONTROL

Ref. No.	Part No.	★	Description	Code
VR701	95KUFBA224DB	J	Control, 220k EVN DJA A03 BE5(224)	AC

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C705	95KUGA0439ZZ	J	3.3 400V Electrolytic	AE
C706	95KUGDB680BN	J	150 6.3V Electrolytic	AD
C707	95KUGXGFD104	J	0.1 50V Ceramic	AB
C708	95KUGXGFD104	J	0.1 50V Ceramic	AB
C712	95KUGZ1336ZZ	J	2.2 450V Film	AM
C713	95KUGXGCF102	J	1000p 50V Ceramic	AB
C714	95KUGXAED474	J	0.47 25V Ceramic	AC
C715	95KUGXGCF103	J	0.01 50V Ceramic	AB
C716	95KUGXKEF224	J	0.22 25V Ceramic	AC
C717	95KUGXGCF103	J	0.01 50V Ceramic	AB
C718	95KUGXGFD333	J	0.033 25V Chip	AB
C719	95KUGXGCF102	J	1000p 50V Ceramic	AB
C720	95KUGA0441ZZ	J	39 35V Electrolytic	AD
C721	95KUGCU681BP	J	1000p 1kV Ceramic	AD
C722	95KUGDZ420BM	J	330 420V Electrolytic	AW
C723	95KUGCU471JR	J	1000p 1kV Ceramic	AC
C725	95KUGCU472BW	J	4700p 1kV Ceramic	AD
C726	95KUGA0441ZZ	J	39 35V Electrolytic	AD
C727	95KUGCV221JS	J	100p 2kV Ceramic	AC
C728	95KUGXGCF472	J	4700p 50V Ceramic	AB
C730	95KUGXGCF102	J	1000p 50V Ceramic	AB
C731	95KUGXAED224	J	0.22 25V Ceramic	AB
C732	95KUGXAED474	J	0.47 25V Ceramic	AC
C733	95KUGXGFD104	J	0.1 25V Ceramic	AB
C734	95KUGXGCF152	J	1500p 50V Ceramic	AB
C736	95KUGXKJT102	J	1000p 630V Ceramic	AC
C737	95KUGDD470AQ	J	470 25V Electrolytic	AE
C738	95KUGDD470AQ	J	470 25V Electrolytic	AE
C739	95KUGDD470AQ	J	470 25V Electrolytic	AE
C741	95KUGDD470AQ	J	470 25V Electrolytic	AE
C743	95KUGDC102AQ	J	1000 16V Electrolytic	AD
C744	95KUGXGFD104	J	0.1 25V Ceramic	AB
C745	95KUGA0249ZZ	J	100 10V Electrolytic	AC
C746	95KUGA0249ZZ	J	100 10V Electrolytic	AC
C747	95KUGA0437ZZ	J	68 25V Electrolytic	AD
⚠ C755	95KUGCZ472HF	J	4700p Ceramic	AD
C757	95KUGXGFD104	J	0.1 25V Ceramic	AB
⚠ C761	95KUGCZ472HF	J	4700p Ceramic	AD
C762	95KUGXKMS101	J	100p 500V Ceramic	AE
C763	95KUGXKMS101	J	100p 500V Ceramic	AE
C764	95KUGXKNC684	J	0.68 16V Ceramic	AB
C7701	95KUGXKKD106	J	10 25V Ceramic	AG
C7702	95KUGXKHB106	J	10 10V Ceramic	AD
C7703	95KUGXGCC104	J	0.1 16V Ceramic	AB
C7704	95KUGXGFD473	J	0.047 16V Ceramic	AB
C7705	95KUGXKHB105	J	1 16V Ceramic	AC
C7706	95KUGXGFD104	J	0.1 25V Ceramic	AB
C7707	95KUGXKHB106	J	10 10V Ceramic	AD
C7708	95KUGXGCC683	J	0.047 16V Ceramic	AB

RESISTORS

Ref. No.	Part No.	★	Description	Code
J701	95KUEXCAP000	J	Jumper	AB
J702	95KUEXCAP000	J	Jumper	AB
J7701	95KUEXBAF000	J	0 1/16W Chip	AB
J7702	95KUEXBAF000	J	0 1/16W Chip	AB
R703	95KUEXBAF221	J	220 1/16W Chip	AB
R704	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R705	95KUEYCH1002	J	100k 1/16W Chip	AB
R706	95KUEYCH1002	J	100k 1/16W Chip	AB
R708	95KUEYCH1201	J	12k 1/16W Chip	AB
R710	95KUEGGR15BL	J	0.15 5W Cement	AE
R711	95KUEXDAJ100	J	10 1/4W Chip	AB
R712	95KUEXDAJ100	J	10 1/4W Chip	AB
R713	95KUEYBD4703	J	470k 1/4W Chip	AB
R714	95KUEYBD4703	J	470k 1/4W Chip	AB
R715	95KUEYBD3903	J	390k 1/4W Chip	AB
R716	95KUEYBA1502	J	15k 1/16W Chip	AB
R717	95KUEYBD6803	J	680k 1/4W Chip	AB
R718	95KUEYBD5603	J	560k 1/4W Chip	AB
R719	95KUEYBD5603	J	560k 1/4W Chip	AB
R720	95KUEYBA1302	J	13k 1/16W Chip	AB
R721	95KUEXBAF181	J	180 1/16W Chip	AB
R722	95KUEXBAF223	J	22k 1/16W Chip	AB
R723	95KUEXBAF103	J	10k 1/16W Chip	AB
R724	95KUEXBAF681	J	680 1/16W Chip	AB
R725	95KUEXDAJ563	J	56k 1/4W Chip	AB
R726	95KUEXDAJ563	J	56k 1/4W Chip	AB
R727	95KUEXDAJ563	J	56k 1/4W Chip	AB
R728	95KUEXDAJ563	J	56k 1/4W Chip	AB
R729	95KUEXBAF103	J	10k 1/16W Chip	AB
R731	95KUEXBAF000	J	0 1/16W Chip	AB
R734	95KUEGGR15BL	J	0.15 5W Cement	AE
R735	95KUEFE154EG	J	150k 2W Metal Film	AC
R736	95KUEXDAJ563	J	56k 1/8W Chip	AB
R737	95KUEXDAJ563	J	56k 1/8W Chip	AB
R738	95KUEXDAJ563	J	56k 1/8W Chip	AB
R739	95KUEBCR47AG	J	0.47 1/2W FuseResistor	AD
R740	95KUEXJAPR22	J	0.22 1/2W Chip	AC
R741	95KUEBC3R3AG	J	3.3 1/2W FuseResistor	AD
R746	95KUEXDAJ000	J	0 1/4W Chip	AB
R747	95KUEXDAJ100	J	10 1/4W Chip	AB
R748	95KUEXDAJ151	J	150 1/4W Chip	AB
R749	95KUEYBA1000	J	100 1/16W Chip	AB
R750	95KUEYBA3300	J	330 1/16W Chip	AB
R751	95KUEXBAF472	J	4.7k 1/16W Chip	AB
R752	95KUEXBAF391	J	390 1/16W Chip	AB
R753	95KUEXBAF473	J	47k 1/16W Chip	AB
R754	95KUEXBAF822	J	8.2k 1/16W Chip	AB
R756	95KUEXBAF222	J	2.2k 1/16W Chip	AB
R757	95KUEXBAF000	J	0 1/16W Chip	AB
R758	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R759	95KUEYBG2202	J	22k 1/8W Chip	AB
R760	95KUEYBG4701	J	4.7k 1/4W Chip	AB
R761	95KUEXBAF122	J	1.2k 1/4W Chip	AB
R762	95KUEXBAF104	J	100k 1/16W Chip	AB
R765	95KUEXBAF152	J	1.5k 1/16W Chip	AB
R766	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R767	95KUEYCH2703	J	270k 1/16W Chip	AB
R768	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R772	95KUEXBAF103	J	10k 1/16W Chip	AB
R773	95KUEXBAF103	J	10k 1/16W Chip	AB
R774	95KUEXBAF103	J	10k 1/16W Chip	AB
R775	95KUEBCR10AG	J	1 1/2W FuseResistor	AE
R782	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R783	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R784	95KUEXDAJ563	J	56k 1/8W Chip	AB
R785	95KUEXDAJ153	J	15k 1/8W Chip	AB
R786	95KUEXBAF103	J	10k 1/16W Chip	AB
R787	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R790	95KUEXBAF000	J	0 1/16W Chip	AB
R7701	95KUEXBAF123	J	12k 1/16W Chip	AB
R7702	95KUEXBAF123	J	12k 1/16W Chip	AB
R7703	95KUEXBAF682	J	6.8k 1/16W Chip	AB
R7704	95KUEXBAF153	J	15k 1/16W Chip	AB
R7705	95KUEXBAF102	J	1k 1/16W Chip	AB
R7706	95KUEYCH2701	J	2.7k 1/16W Chip	AB
R7707	95KUEYCH1201	J	1.2k 1/16W Chip	AB
R7708	95KUEXBAF123	J	12k 1/16W Chip	AB
R7709	95KUEXBAF102	J	1k 1/16W Chip	AB
R7710	95KUEYCH1501	J	1.5k 1/16W Chip	AB
R7711	95KUEYCH1001	J	1k 1/16W Chip	AB
R7712	95KUEXBAF103	J	10k 1/16W Chip	AB
R7713	95KUEXBAF682	J	6.8k 1/16W Chip	AB
R7714	95KUEXBAF103	J	10k 1/16W Chip	AB
R7715	95KUEXDAJ121	J	120 1/8W Chip	AB
R7716	95KUEXDAJ100	J	10 1/16W Chip	AB

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POWER UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R7717	95KUEXDAJ121	J	120 1/8W Chip	AB
R7718	95KUEXDAJ100	J	10 1/8W Chip	AB
R7719	95KUEYCH3300	J	330 1/16W Chip	AB
R7720	95KUEYCH2700	J	270 1/16W Chip	AB
R7723	95KUEXBAF000	J	0 1/16W Chip	AB
R7724	95KUEXBAF470	J	47 1/16W Chip	AB

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB703	95KBFZ90059Z	J	Ferrite Bead N2012ZPS121T50	AC
FB704	95KBFZ90059Z	J	Ferrite Bead N2012ZPS121T50	AC
FB706	95KBFZ90059Z	J	Ferrite Bead N2012ZPS121T50	AC
FB707	95KPZZ0602ZZ	J	Jumper, IPS-3002-2	AC
FB708	95KBFZ90059Z	J	Ferrite Bead N2012ZPS121T50	AC
FB709	95KBFZ90059Z	J	Ferrite Bead N2012ZPS121T50	AC
FB710	95KUKZ0984ZZ	J	Ferrite Bead FBA04HA900VB	AC
CN704	95KECB8091ZZ	J	Connector, 3pin LC302-7503	AP
CN705	95KECB8095ZZ	J	Connector, 5pin LC302-7501	AQ
CN706	95KPKZ1135ZZ	J	Connector, 3pin B 2P3-VH-BL	AD
CN707	95KECB8092ZZ	J	Connector, 2pin LC302-7504	AK
CN708	95KECB8094ZZ	J	Connector, 24pin, LC302-7502	AY
ET701	95KFBZ0098ZZ	J	Terminal, TM-12	AC
F703	95KPJT0185ZZ	J	Fuse, 136°C, P110A	AD
⚠ RL702	95KPHZ0206ZZ	J	Relay, DJ5D2-0(M) 0.25W	AM
MT702	95KLRZ7030ZR	J	Heat Sink, LC302-5004	AH
MT703	95KLRZ7028ZR	J	Heat Sink, LC302-5002	AL
SC704	95KRAZ3211ZB	J	Screw, x8	AA
SC705	95KRBA3024ZB	J	Nut, x2	AA

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PC I/F UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC8003	9DK001-11020	J	AT24C128N-10SC-1.8	AS
IC8004	9DK001-15115	J	PQ05VY3H3Z	AM
IC8005	RH-iXA816WJZZQ	J	LH28F640BFE-PBTL90	BC
IC8006	9DK001-15118	J	PST9229	AL
IC8007	RH-iXA147WJZZQ	J	HD6417709SBP133V	BK
IC8008	9DK001-15112	J	PQ033EZ01	AM
IC8010	9DK001-15117	J	PST9222	AK
IC8013	9DK001-15113	J	AD9888-170	BT
IC8015	9DK001-15119	J	SAA7118E	BM
IC8025	RH-iXA091WJZZQ	J	MB87M1370TB-G	BX
IC8028	9DK001-11028	J	HY57V641620HGT-H	AY
IC8029	RH-iX3399CEN1Q	J	IX3399	BM
IC8030	9DK001-11028	J	HY57V641620HGT-H	AY
IC8319	9DK001-11043	J	HY57V643220CT-7	AY
IC8320	9DK001-11043	J	HY57V643220CT-7	AY
IC8321	9DK001-11043	J	HY57V643220CT-7	AY
IC8322	9DK001-11043	J	HY57V643220CT-7	AY
IC8363	9DK001-12107	J	74VHC153MTC	AK
IC8364	9DK001-15114	J	PQ070XZ01	AN
IC8365	9DK001-12103	J	74LCX157MTC	AK
IC8366	9DK001-12105	J	74LVX125MTC	AK

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q8002	9DK001-20012	J	2SA1037AKQ	AE
Q8005	9DK001-20012	J	2SA1037AKQ	AE

DIODES

Ref. No.	Part No.	★	Description	Code
D8005	9DK001-30018	J	1SS187 (D3)	AD
D8009	9DK001-30018	J	1SS187 (D3)	AD
D8035	9DK001-30018	J	1SS187 (D3)	AD

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X8001	9DK001-80038	J	Crystal, 16.588MHz	AN
X8004	9DK001-80027	J	Crystal, 25.000MHz	AR
X8005	9DK001-80039	J	Crystal, 37.500MHz	AR
X8006	9DK001-80034	J	Crystal, 24.576MHz	AN
X8007	9DK001-80015	J	Crystal, 32.768kHz	AS

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL8003	9DK001-81020	J	Filter, BMK351	AG
FL8041	9DK001-81020	J	Filter, BMK351	AG
FL8094	9DK001-81020	J	Filter, BMK351	AG
FL8103	9DK001-81020	J	Filter, BMK351	AG
L8003	9DK001-81059	J	Coil, 1.0μH	AE
L8004	9DK001-81052	J	Coil, 3.3μH	AG
L8005	9DK001-81052	J	Coil, 3.3μH	AG
L8011	9DK001-81052	J	Coil, 3.3μH	AG
L8012	9DK001-81052	J	Coil, 3.3μH	AG
L8014	9DK001-81052	J	Coil, 3.3μH	AG
L8022	9DK001-81052	J	Coil, 3.3μH	AG

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C8003	9DK001-42157	J	0.1 25V Ceramic	AC
C8004	9DK001-42099	J	100p 50V Ceramic	AC
C8005	9DK001-42161	J	0.047 25V Ceramic	AB
C8007	9DK001-42156	J	1 10V Ceramic	AC
C8008	9DK001-42157	J	0.1 25V Ceramic	AC
C8009	9DK001-42157	J	0.1 25V Ceramic	AC
C8010	9DK001-42160	J	10 6.3V Ceramic	AB
C8012	9DK001-42103	J	15p 50V Ceramic	AC
C8013	9DK001-42103	J	15p 50V Ceramic	AC
C8014	9DK001-42156	J	1 10V Ceramic	AC
C8015	9DK001-42160	J	10 6.3V Ceramic	AB
C8016	9DK001-42157	J	0.1 25V Ceramic	AC
C8017	9DK001-42156	J	1 10V Ceramic	AC
C8018	9DK001-42163	J	1000P 25V Ceramic	AC
C8019	9DK001-42104	J	470p 50V Ceramic	AC
C8020	9DK001-42104	J	470p 50V Ceramic	AC
C8021	9DK001-40081	J	22 6.3V Electrolytic	AF

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PC I/F UNIT(Continued)

Ref. No.	Part No.	★	Description			Code
C8022	9DK001-42156	J	1	10V	Ceramic	AC
C8023	9DK001-42156	J	1	10V	Ceramic	AC
C8024	9DK001-42157	J	0.1	25V	Ceramic	AC
C8025	9DK001-42160	J	10	6.3V	Ceramic	AB
C8026	9DK001-42157	J	0.1	25V	Ceramic	AC
C8027	9DK001-42161	J	0.047	25V	Ceramic	AB
C8028	9DK001-42161	J	0.047	25V	Ceramic	AB
C8029	9DK001-42161	J	0.047	25V	Ceramic	AB
C8030	9DK001-42157	J	0.1	25V	Ceramic	AC
C8031	9DK001-42156	J	1	10V	Ceramic	AC
C8033	9DK001-42156	J	1	10V	Ceramic	AC
C8035	9DK001-40089	J	47	6.3V	Electrolytic	AE
C8038	9DK001-42161	J	0.047	25V	Ceramic	AB
C8039	9DK001-40089	J	47	6.3V	Electrolytic	AE
C8040	9DK001-42161	J	0.047	25V	Ceramic	AB
C8041	9DK001-42161	J	0.047	25V	Ceramic	AB
C8042	9DK001-40091	J	100	4V	Electrolytic	AF
C8043	9DK001-42161	J	0.047	25V	Ceramic	AB
C8044	9DK001-42161	J	0.047	25V	Ceramic	AB
C8045	9DK001-42161	J	0.047	25V	Ceramic	AB
C8046	9DK001-42103	J	15p	50V	Ceramic	AC
C8047	9DK001-42103	J	15p	50V	Ceramic	AC
C8048	9DK001-40081	J	22	6.3V	Electrolytic	AF
C8049	9DK001-42157	J	0.1	25V	Ceramic	AC
C8050	9DK001-40081	J	22	6.3V	Electrolytic	AF
C8051	9DK001-42156	J	1	10V	Ceramic	AC
C8052	9DK001-42157	J	0.1	25V	Ceramic	AC
C8053	9DK001-42157	J	0.1	25V	Ceramic	AC
C8054	9DK001-42157	J	0.1	25V	Ceramic	AC
C8055	9DK001-42157	J	0.1	25V	Ceramic	AC
C8056	9DK001-42157	J	0.1	25V	Ceramic	AC
C8057	9DK001-40091	J	100	4V	Electrolytic	AF
C8058	9DK001-42161	J	0.047	25V	Ceramic	AB
C8059	9DK001-42161	J	0.047	25V	Ceramic	AB
C8060	9DK001-42157	J	0.1	25V	Ceramic	AC
C8062	9DK001-42161	J	0.047	25V	Ceramic	AB
C8063	9DK001-42157	J	0.1	25V	Ceramic	AC
C8064	9DK001-42157	J	0.1	25V	Ceramic	AC
C8065	9DK001-42157	J	0.1	25V	Ceramic	AC
C8066	9DK001-40091	J	100	4V	Electrolytic	AF
C8069	9DK001-42096	J	0.01	50V	Ceramic	AC
C8070	9DK001-42161	J	0.047	25V	Ceramic	AB
C8071	9DK001-42096	J	0.01	50V	Ceramic	AC
C8072	9DK001-42157	J	0.1	25V	Ceramic	AC
C8073	9DK001-42157	J	0.1	25V	Ceramic	AC
C8074	9DK001-42157	J	0.1	25V	Ceramic	AC
C8075	9DK001-42157	J	0.1	25V	Ceramic	AC
C8076	9DK001-42157	J	0.1	25V	Ceramic	AC
C8077	9DK001-42157	J	0.1	25V	Ceramic	AC
C8078	9DK001-42161	J	0.047	25V	Ceramic	AB
C8082	9DK001-42162	J	0.33	10V	Ceramic	AB
C8083	9DK001-40081	J	22	6.3V	Electrolytic	AF
C8085	9DK001-42157	J	0.1	25V	Ceramic	AC
C8140	9DK001-42161	J	0.047	25V	Ceramic	AB
C8141	9DK001-42161	J	0.047	25V	Ceramic	AB
C8142	9DK001-42161	J	0.047	25V	Ceramic	AB
C8150	9DK001-42157	J	0.1	25V	Ceramic	AC
C8151	9DK001-42157	J	0.1	25V	Ceramic	AC
C8152	9DK001-42157	J	0.1	25V	Ceramic	AC
C8153	9DK001-42157	J	0.1	25V	Ceramic	AC
C8154	9DK001-42157	J	0.1	25V	Ceramic	AC
C8155	9DK001-42157	J	0.1	25V	Ceramic	AC
C8156	9DK001-42157	J	0.1	25V	Ceramic	AC
C8157	9DK001-42157	J	0.1	25V	Ceramic	AC
C8158	9DK001-42157	J	0.1	25V	Ceramic	AC
C8159	9DK001-42157	J	0.1	25V	Ceramic	AC
C8160	9DK001-42157	J	0.1	25V	Ceramic	AC
C8161	9DK001-42157	J	0.1	25V	Ceramic	AC
C8162	9DK001-42157	J	0.1	25V	Ceramic	AC
C8163	9DK001-42157	J	0.1	25V	Ceramic	AC
C8164	9DK001-42157	J	0.1	25V	Ceramic	AC
C8165	9DK001-42157	J	0.1	25V	Ceramic	AC
C8166	9DK001-42158	J	3900p	16V	Film	AL
C8167	9DK001-42159	J	0.039	16V	Film	AG
C8169	9DK001-42157	J	0.1	25V	Ceramic	AC
C8170	9DK001-42157	J	0.1	25V	Ceramic	AC
C8171	9DK001-42157	J	0.1	25V	Ceramic	AC
C8174	9DK001-42157	J	0.1	25V	Ceramic	AC
C8176	9DK001-42157	J	0.1	25V	Ceramic	AC
C8177	9DK001-42157	J	0.1	25V	Ceramic	AC
C8192	9DK001-42157	J	0.1	25V	Ceramic	AC
C8197	9DK001-42157	J	0.1	25V	Ceramic	AC
C8205	9DK001-42157	J	0.1	25V	Ceramic	AC
C8214	9DK001-42157	J	0.1	25V	Ceramic	AC
C8218	9DK001-42157	J	0.1	25V	Ceramic	AC
C8352	9DK001-42161	J	0.047	25V	Ceramic	AB
C8353	9DK001-42161	J	0.047	25V	Ceramic	AB
C8355	9DK001-42161	J	0.047	25V	Ceramic	AB
C8356	9DK001-42161	J	0.047	25V	Ceramic	AB
C8358	9DK001-42161	J	0.047	25V	Ceramic	AB
C8359	9DK001-42161	J	0.047	25V	Ceramic	AB
C8360	9DK001-42161	J	0.047	25V	Ceramic	AB
C8366	9DK001-40091	J	100	4V	Electrolytic	AF
C8375	9DK001-40091	J	100	4V	Electrolytic	AF
C8575	9DK001-42157	J	0.1	25V	Ceramic	AC
C8576	9DK001-42156	J	1	10V	Ceramic	AC
C8577	9DK001-42156	J	1	10V	Ceramic	AC
C8578	9DK001-42156	J	1	10V	Ceramic	AC
C8579	9DK001-42156	J	1	10V	Ceramic	AC
C8580	9DK001-42157	J	0.1	25V	Ceramic	AC
C8581	9DK001-42156	J	1	10V	Ceramic	AC
C8582	9DK001-42156	J	1	10V	Ceramic	AC
C8583	9DK001-42156	J	1	10V	Ceramic	AC
C8584	9DK001-42157	J	0.1	25V	Ceramic	AC
C8585	9DK001-42157	J	0.1	25V	Ceramic	AC
C8586	9DK001-42156	J	1	10V	Ceramic	AC
C8589	9DK001-42156	J	1	10V	Ceramic	AC
C8590	9DK001-42156	J	1	10V	Ceramic	AC
C8591	9DK001-42156	J	1	10V	Ceramic	AC
C8592	9DK001-42156	J	1	10V	Ceramic	AC
C8593	9DK001-42156	J	1	10V	Ceramic	AC
C8594	9DK001-42157	J	0.1	25V	Ceramic	AC
C8595	9DK001-42157	J	0.1	25V	Ceramic	AC
C8596	9DK001-42156	J	1	10V	Ceramic	AC
C8597	9DK001-42157	J	0.1	25V	Ceramic	AC
C8598	9DK001-42156	J	1	10V	Ceramic	AC
C8599	9DK001-42156	J	1	10V	Ceramic	AC
C8600	9DK001-42157	J	0.1	25V	Ceramic	AC
C8601	9DK001-42157	J	0.1	25V	Ceramic	AC
C8602	9DK001-40091	J	100	4V	Electrolytic	AF
C8603	9DK001-42157	J	0.1	25V	Ceramic	AC
C8607	9DK001-42157	J	0.1	25V	Ceramic	AC
C8609	9DK001-42157	J	0.1	25V	Ceramic	AC
C8611	9DK001-42157	J	0.1	25V	Ceramic	AC
C8613	9DK001-42157	J	0.1	25V	Ceramic	AC
C8615	9DK001-42157	J	0.1	25V	Ceramic	AC
C8617	9DK001-42157	J	0.1	25V	Ceramic	AC
C8619	9DK001-42157	J	0.1	25V	Ceramic	AC
C8621	9DK001-42157	J	0.1	25V	Ceramic	AC
C8623	9DK001-42157	J	0.1	25V	Ceramic	AC
C8625	9DK001-42157	J	0.1	25V	Ceramic	AC
C8627	9DK001-42157	J	0.1	25V	Ceramic	AC
C8629	9DK001-42157	J	0.1	25V	Ceramic	AC
C8631	9DK001-42157	J	0.1	25V	Ceramic	AC
C8633	9DK001-42157	J	0.1	25V	Ceramic	AC
C8633	9DK001-42157	J	0.1	25V	Ceramic	AC
C8635	9DK001-42157	J	0.1	25V	Ceramic	AC
C8638	9DK001-42157	J	0.1	25V	Ceramic	AC
C8640	9DK001-42157	J	0.1	25V	Ceramic	AC
C8641	9DK001-42157	J	0.1	25V	Ceramic	AC
C8648	9DK001-42157	J	0.1	25V	Ceramic	AC
C8649	9DK001-42157	J	0.1	25V	Ceramic	AC
C8656	9DK001-42157	J	0.1	25V	Ceramic	AC
C8658	9DK001-42157	J	0.1	25V	Ceramic	AC
C8662	9DK001-42157	J	0.1	25V	Ceramic	AC
C8666	9DK001-42096	J	0.01	50V	Ceramic	AC

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Ref. No.	Part No.	★	Description	Code
C8668	9DK001-42157	J	0.1 25V Ceramic	AC
C8670	9DK001-42157	J	0.1 25V Ceramic	AC
C8672	9DK001-42157	J	0.1 25V Ceramic	AC
C8678	9DK001-42157	J	0.1 25V Ceramic	AC
C8682	9DK001-42157	J	0.1 25V Ceramic	AC
C8685	9DK001-42157	J	0.1 25V Ceramic	AC
C8686	9DK001-42157	J	0.1 25V Ceramic	AC
C8687	9DK001-42157	J	0.1 25V Ceramic	AC
C8688	9DK001-42157	J	0.1 25V Ceramic	AC
C8689	9DK001-42157	J	0.1 25V Ceramic	AC
C8697	9DK001-42157	J	0.1 25V Ceramic	AC
C8708	9DK001-40090	J	47 4V Electrolytic	AF
C8759	9DK001-42157	J	0.1 25V Ceramic	AC
C8901	9DK001-42157	J	0.1 25V Ceramic	AC
C8902	9DK001-42156	J	1 10V Ceramic	AC
C8904	9DK001-42157	J	0.1 25V Ceramic	AC
C8905	9DK001-42157	J	0.1 25V Ceramic	AC
C8906	9DK001-42157	J	0.1 25V Ceramic	AC
C8909	9DK001-42156	J	1 10V Ceramic	AC
C8910	9DK001-42157	J	0.1 25V Ceramic	AC
C8911	9DK001-42156	J	1 10V Ceramic	AC
C8912	9DK001-42156	J	1 10V Ceramic	AC
C8913	9DK001-42156	J	1 10V Ceramic	AC
C8914	9DK001-42156	J	1 10V Ceramic	AC
C8915	9DK001-42157	J	0.1 25V Ceramic	AC
C8916	9DK001-42115	J	10p 50V Ceramic	AC
C8917	9DK001-42156	J	1 10V Ceramic	AC
C8918	9DK001-42157	J	0.1 25V Ceramic	AC
C8919	9DK001-40110	J	68 4V Electrolytic	AM
C8920	9DK001-42115	J	10p 50V Ceramic	AC
C8921	9DK001-40091	J	100 4V Electrolytic	AF
C8922	9DK001-42162	J	0.33 10V Ceramic	AB
C8923	9DK001-42157	J	0.1 25V Ceramic	AC
C8924	9DK001-42157	J	0.1 25V Ceramic	AC
C8925	9DK001-42160	J	10 6.3V Ceramic	AB
C8927	9DK001-40091	J	100 4V Electrolytic	AF
C8928	9DK001-40091	J	100 4V Electrolytic	AF
C8930	9DK001-42157	J	0.1 25V Ceramic	AC
C8931	9DK001-42161	J	0.047 25V Ceramic	AB
C8932	9DK001-42156	J	1 10V Ceramic	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R8001	9DK001-51030	J	10k 1/16W Chip	AD
R8002	9DK001-50149	J	0 1/16W Chip1608	AB
R8003	9DK001-50179	J	2.2k 1/16W Chip 1608	AA
R8004	9DK001-50149	J	0 1/16W Chip1608	AB
R8008	9DK001-51030	J	10k 1/16W Chip	AD
R8011	9DK001-51045	J	100 1/16W Chip	AB
R8017	9DK001-50183	J	4.7k 1/16W Chip 1608	AA
R8018	9DK001-50186	J	22k 1/16W Chip 1608	AA
R8022	9DK001-51030	J	10k 1/16W Chip	AD
R8025	9DK001-51030	J	10k 1/16W Chip	AD
R8026	9DK001-51037	J	6.8k 1/16W Chip	AD
R8028	9DK001-50149	J	0 1/16W Chip1608	AB
R8029	9DK001-50275	J	6.8 1/10W Chip 2125	AB
R8032	9DK001-50150	J	10 1/16W Chip 1608	AA
R8035	9DK001-50149	J	0 1/16W Chip1608	AB
R8036	9DK001-50177	J	1k 1/16W Chip 1608	AA
R8037	9DK001-50159	J	22 1/16W Chip 1608	AA
R8038	9DK001-50150	J	10 1/16W Chip 1608	AA
R8039	9DK001-50150	J	10 1/16W Chip 1608	AA
R8040	9DK001-50044	J	68 1/10W Chip 2125	AB
R8041	9DK001-50275	J	6.8 1/10W Chip 2125	AB
R8042	9DK001-50159	J	22 1/16W Chip 1608	AA
R8045	9DK001-50044	J	68 1/10W Chip 2125	AB
R8046	9DK001-50275	J	6.8 1/10W Chip 2125	AB
R8047	9DK001-50159	J	22 1/16W Chip 1608	AA
R8048	9DK001-50044	J	68 1/10W Chip 2125	AB
R8054	9DK001-50149	J	0 1/16W Chip1608	AB
R8063	9DK001-50236	J	910 1/16W Chip1608	AB
R8064	9DK001-50213	J	2k 1/16W Chip1608	AB
R8067	9DK001-51037	J	6.8k 1/16W Chip	AD
R8069	9DK001-50149	J	0 1/16W Chip1608	AB
R8073	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8074	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8075	9DK001-50159	J	22 1/16W Chip 1608	AA
R8080	9DK001-50044	J	68 1/10W Chip 2125	AB
R8083	9DK001-50159	J	22 1/16W Chip 1608	AA
R8088	9DK001-50044	J	68 1/10W Chip 2125	AB
R8091	9DK001-50159	J	22 1/16W Chip 1608	AA
R8096	9DK001-50044	J	68 1/10W Chip 2125	AB
R8097	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8104	9DK001-50149	J	0 1/16W Chip1608	AB
R8107	9DK001-50149	J	0 1/16W Chip1608	AB
R8109	9DK001-51037	J	6.8k 1/16W Chip	AD
R8110	9DK001-51037	J	6.8k 1/16W Chip	AD
R8114	9DK001-50303	J	39 1/10W Chip 2125	AA
R8117	9DK001-50298	J	120 1/4W Chip 3216	AB
R8121	9DK001-50320	J	3.9 1/4W Chip 3216	AA
R8122	9DK001-50320	J	3.9 1/4W Chip 3216	AA
R8134	9DK001-50149	J	0 1/16W Chip1608	AB
R8138	9DK001-50177	J	1k 1/16W Chip 1608	AA
R8139	9DK001-50177	J	1k 1/16W Chip 1608	AA
R8140	9DK001-50177	J	1k 1/16W Chip 1608	AA
R8143	9DK001-50177	J	1k 1/16W Chip 1608	AA
R8157	9DK001-50159	J	22 1/16W Chip 1608	AA
R8161	9DK001-50149	J	0 1/16W Chip1608	AB
R8162	9DK001-50183	J	4.7k 1/16W Chip 1608	AA
R8165	9DK001-50181	J	3.3k 1/16W Chip 1608	AA
R8166	9DK001-50149	J	0 1/16W Chip1608	AB
R8170	9DK001-50149	J	0 1/16W Chip1608	AB
R8172	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8174	9DK001-50149	J	0 1/16W Chip1608	AB
R8176	9DK001-50224	J	150 1/4W Chip 3216	AB
R8178	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8180	9DK001-50149	J	0 1/16W Chip1608	AB
R8201	9DK001-50149	J	0 1/16W Chip1608	AB
R8202	9DK001-50110	J	0 1/10W Chip2125	AB
R8298	9DK001-50110	J	0 1/10W Chip2125	AB
R8299	9DK001-50110	J	0 1/10W Chip2125	AB
R8310	9DK001-50110	J	0 1/10W Chip2125	AB
R8314	9DK001-50110	J	0 1/10W Chip2125	AB
R8500	9DK001-50149	J	0 1/16W Chip1608	AB
R8502	9DK001-50121	J	10 1/10W Chip 2125	AB
R8503	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8509	9DK001-50149	J	0 1/16W Chip1608	AB
R8511	9DK001-50149	J	0 1/16W Chip1608	AB
R8512	9DK001-50149	J	0 1/16W Chip1608	AB
R8513	9DK001-50149	J	0 1/16W Chip1608	AB
R8521	9DK001-51030	J	10k 1/16W Chip	AD
R8552	9DK001-50161	J	47 1/16W Chip 1608	AA
R8654	9DK001-50204	J	150 1/16W Chip 1608	AA
R8688	9DK001-50149	J	0 1/16W Chip1608	AB
R8690	9DK001-50173	J	470 1/16W Chip 1608	AA
R8692	9DK001-50149	J	0 1/16W Chip1608	AB
R8693	9DK001-50149	J	0 1/16W Chip1608	AB
R8694	9DK001-50149	J	0 1/16W Chip1608	AB
R8695	9DK001-50149	J	0 1/16W Chip1608	AB
R8696	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8697	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8698	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8699	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8700	9DK001-50218	J	20k 1/16W Chip 1608	AA
R8701	9DK001-50257	J	75 1/16W Chip 1608	AA
R8800	9DK001-50149	J	0 1/16W Chip1608	AB
R8801	9DK001-50205	J	1.8k 1/16W Chip 1608	AA
R8867	9DK001-50275	J	6.8 1/10W Chip 2125	AB
R8868	9DK001-50275	J	6.8 1/10W Chip 2125	AB
R8869	9DK001-50275	J	6.8 1/10W Chip 2125	AB
R8977	9DK001-50165	J	100 1/16W Chip 1608	AA
R8994	9DK001-50236	J	910 1/16W Chip1608	AB
R8995	9DK001-50199	J	2.15k1/16W Chip1608	AB
R8996	9DK001-50149	J	0 1/16W Chip1608	AB
R8997	9DK001-50149	J	0 1/16W Chip1608	AB
R8998	9DK001-50177	J	1k 1/16W Chip 1608	AA
R8999	9DK001-50303	J	39 1/10W Chip 2125	AA

CPCi-A002CE30
PC I/F UNIT(Continued)

SWITCH

Ref. No.	Part No.	★	Description	Code
SW8001	9DK001-70012	J	Slide Switch, SSSS811101	AL

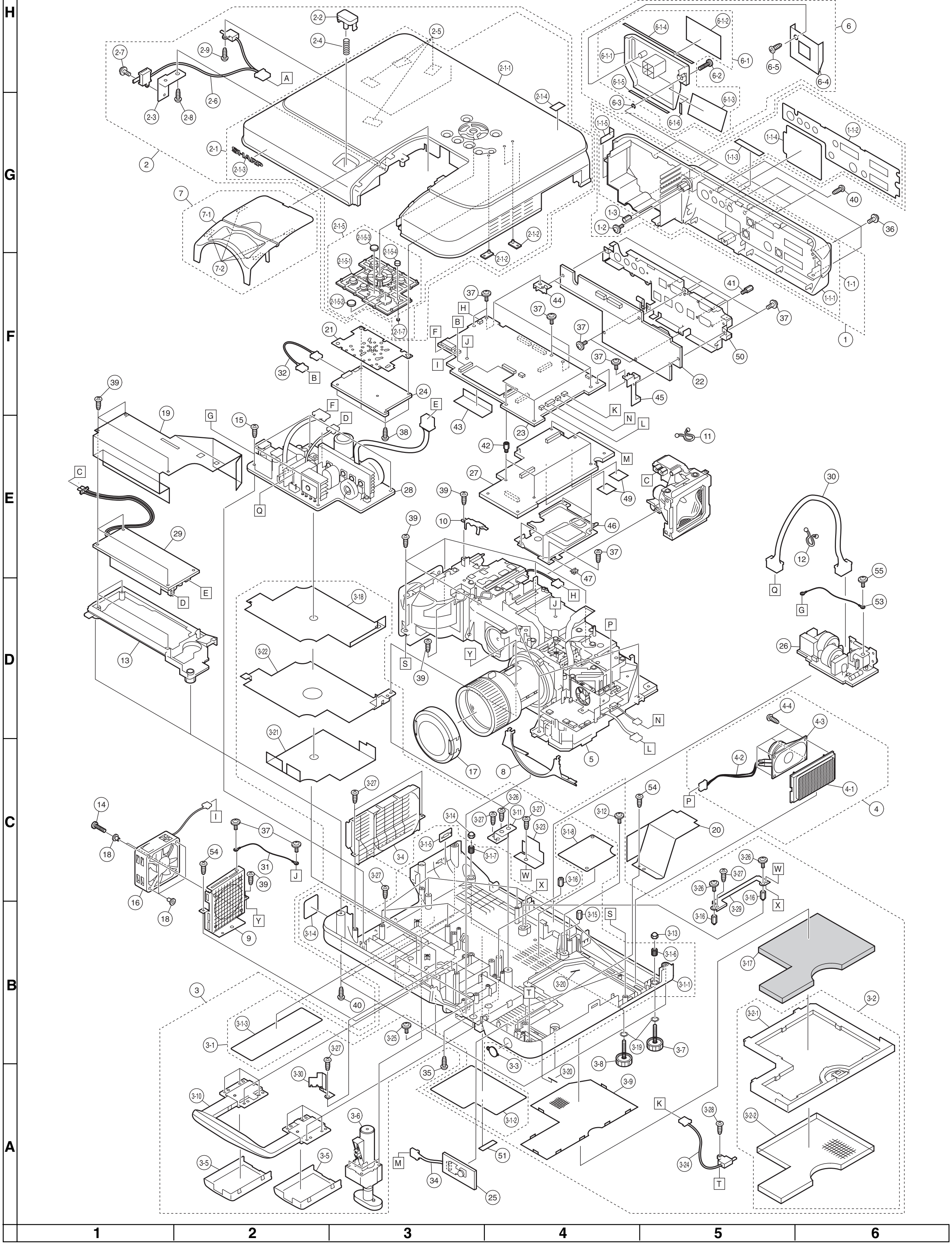
MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB8006	9DK001-81062	J	Ferrite Bead, BLM21P221SG	AE
FB8013	9DK001-81062	J	Ferrite Bead, BLM21P221SG	AE
FB8015	9DK001-81062	J	Ferrite Bead, BLM21P221SG	AE
SC8001	9DK001-60078	J	Connector, 82pin	AQ
SC8002	9DK001-60078	J	Connector, 82pin	AQ
CASE8001	PSLDMA008WJFW	J	Shield Case	AK
HOLD8001	LHLDW1021GE00	J	Wire Holde	AB
SHEET8001	PSPAZA061WJZZ	J	Sheet	AD
SHEET8002	PSPAZA061WJZZ	J	Sheet	AD
SHEET8003	PSPAGA134WJZZ	J	Sheet	
SHEET8004	PSPAGA134WJZZ	J	Sheet	
LABEL8001	9DK001-97078	J	Serial No. Label	AD
	NSFTZA001WJFW	J	Shaft, x2	AD

CABINET AND MECHANICAL PARTS

Ref. No.	Part No.	★	Description	Code
1	*Not Available*	–	Rear Body Unit Ass'y	—
1-1	DBDYRA005WJ01	J	Rear Body Ass'y	AY
1-1-1	*Not Available*	–	Rear Body	—
1-1-2	HiNDPA506WJSA	J	Terminal Indication Panel	AH
1-1-3	HiNDPA085WJZZ	J	Earth Label	AD
1-1-4	HiNDPA516WJZZ	J	Lamp Replacement Label	AE
1-1-5	PSPAKA008WJ00	J	Spacer, x2	AD
1-2	LX-HZ3106CEFD	J	Screw, x1	AB
1-3	LX-NZ3173CEFW	J	Insert Nut, x1	AD
2	*Not Available*	–	Top Body Unit Ass'y	—
2-1	DBDYTA036WJ01	J	Top Body Ass'y	BG
2-1-1	*Not Available*	–	Top Body	—
2-1-2	GCOVAA032WJKA	J	LED Cover, X2	BB
2-1-3	*Not Available*	–	"SHARP" Badge	—
2-1-4	HiNDPA057WJSA	J	"IQ" Label	AF
2-1-5	DBTN-A013WJ01	J	Operation Button Ass'y	AX
2-1-5-1	*Not Available*	–	Operation Button	—
2-1-5-2	HDECQA025WJKA	J	Decoration Button-A	AH
2-1-5-3	HDECQA026WJKA	J	Decoration Button-B	AH
2-1-5-4	HDECQA027WJKA	J	Decoration Button-C	AH
2-1-7	PSPAZA106WJZZ	J	Spacer, x4	AA
2-2	JBTN-A014WJKA	J	Height Adjust Button	AE
2-3	LANGKA006WJFW	J	Fixing Angle	AD
2-4	MSPRCA001WJFW	J	Spring, for Height Adjust Button	AB
2-5	PSPAT0013CEZZ	J	Tape, x4	AC
2-6	QCNW-A492WJZZ	J	Leaf Switch	AH
2-7	XBPSF26P06000	J	Screw, x1	AA
2-8	XEBSD30P08000	J	Screw, x1	AA
2-9	XEPSD26P08000	J	Screw, x1	AA
3	*Not Available*	–	Bottom Body Unit Ass'y	—
3-1	DBDYUA003WJ12	J	Bottom Body Ass'y	BC
3-1-1	*Not Available*	–	Bottom Body	—
3-1-2	HiNDPA505WJSA	J	Model Label	AL
3-1-3	HiNDPA292WJSA	J	FCC Label	AL
3-1-4	HiNDPA114WJSB	J	Hot Caution Label	AD
3-1-5	*Not Available*	–	Kensington Standard Security Connector	—
3-1-6	LX-NZ3120CEFW	J	Insert Nut(R)	AB
3-1-7	LX-NZ3122CEFW	J	Insert Nut(L)	AC
3-1-8	PFiLDA003WJZZ	J	PBS Filter	AG
3-2	DCOVAA029WJ01	J	Bottom Filter Cover Ass'y	AR
3-2-1	*Not Available*	–	Bottom Filter Cover	—
3-2-2	HPNC-A002WJSA	J	Intake Punching Cover	AL
3-3	GCOVA1824CESA	J	R/C Cover	AD
3-4	GCOVAA030WJKA	J	Exhaust Panel	AM
3-5	GCOVAA038WJKA	J	Handle Cover, x2	AF
3-6	GLEGPA003WJKA	J	Adjuster Foot(Front)	AW
3-7	GLEGPA004WJKA	J	Adjuster Foot(Rear, Right)	AH
3-8	GLEGPA005WJKA	J	Adjuster Foot(Rear, Left)	AH
3-9	HPNC-A001WJSA	J	Punching Cover	AL
3-10	JHNDAA003WJZZ	J	Carrying Handle	BA
3-11	LANGKA040WJFW	J	Anti-Theft Angle	AD
3-12	LX-HZ3105CEFD	J	Screw, for Insert Nut, x1	AB
3-13	LX-NZ3095CEFD	J	Nut Screw(R)	AA
3-14	LX-NZ3123CEFE	J	Nut Screw(L)	AD
3-15	LX-NZ3173CEFW	J	Insert Nut, x1	AD
3-16	LX-NZA003WJFW	J	Nut, x3	AD
3-17	PFiLDA002WJZZ	J	Filter	AE
3-18	PSLDMA074WJZZ	J	Shield	AK
3-19	PSPAH0648CE00	J	Spacer, x2	AB
3-20	PSPAT0013CEZZ	J	Tape, x2	AC
3-21	PZETKA013WJZZ	J	Shield Spacer, x1	AG
3-22	PZETKA014WJZZ	J	Shield Spacer, x1	AH
3-23	PZETKA015WJZZ	J	Shield Spacer, x1	AD
3-24	QCNW-A493WJZZ	J	Leaf Switch	AF
3-25	XBPSD30P08JS0	J	Screw, x8	AA
3-26	XBPSD40P05J00	J	Screw, x3	AA

CABINET AND MECHANICAL PARTS/ GEHÄUSE UND MECHANISCHE BAUTEILE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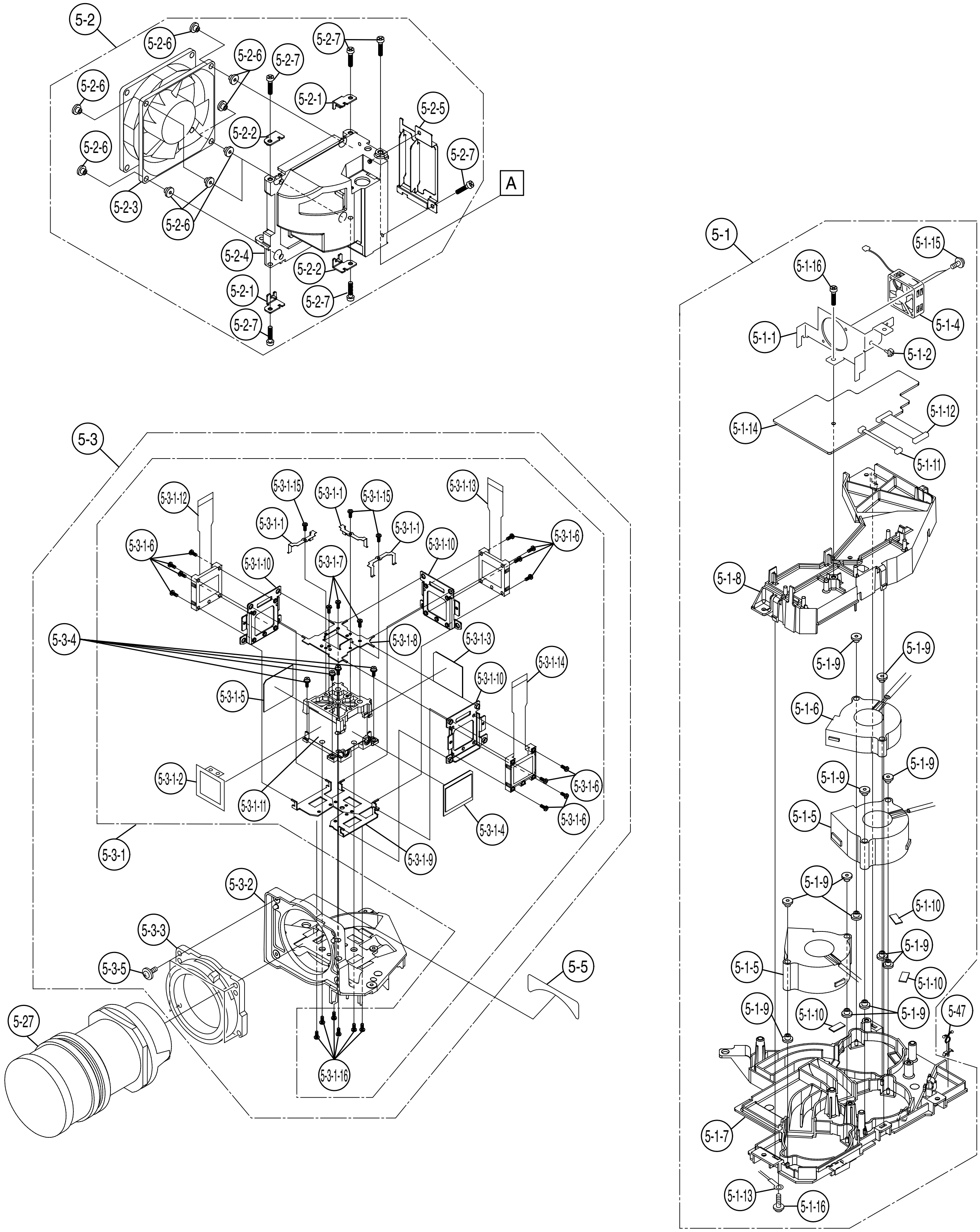
CABINET AND MECHANICAL PARTS
(Continued)

Ref. No.	Part No.	★	Description	Code
3-27	XEBSD30P12000	J	Screw, x7	AA
3-28	XEPSD26P08000	J	Screw, x1	AA
3-29	LANGKA075WJFW	J	Angle	AG
3-30	PGiDJA001WJKZ	J	Ventilation Guide	AE
4	*Not Available*	–	Speaker Net Unit Ass'y	—
4-1	DBFL-A001WJ01	J	Speaker Net Ass'y	AH
4-2	QCNW-5062CEZZ	J	Connection Cord(SP)	AE
4-3	VSP7040PB568A	J	Speaker	AL
4-4	XEBSD30P08000	J	Screw, x4	AA
5	Refer to Optical Mechanism parts			
6	*Not Available*	–	Lamp Door Unit Ass'y	—
6-1	DDORRA001WJ02	J	Lamp Door Ass'y	AP
6-1-1	*Not Available*	–	Lamp Door	—
6-1-2	HiNDPA514WJZZ	J	Caution Label	AF
6-1-3	HiNDPA515WJZZ	J	Caution Label	AE
6-1-4	PSPAHA070WJ00	J	Spacer	AB
6-1-5	PSPAHA071WJ00	J	Spacer	AB
6-1-6	PSPAHA072WJ00	J	Spacer	AA
6-2	LX-BZ3366CEFN	J	Screw, x1	AD
6-3	XRESJ30-06000	J	E-ring, x1	AA
6-4	PSLDPA014WJFW	J	Heat Sink, Door, x1	AE
6-5	XEBSD30P08000	J	Screw, x1	AA
7	CCOVAA027WJ01	J	Lens Cover(Upper) Ass'y	AQ
7-1	*Not Available*	–	Les Cover (Upper)	—
7-2	PSPAHA084WJZZ	J	Spacer, x4	AA
8	GCOVAA028WJKA	J	Lens Cover(Lower)	AH
9	HPNC-A003WJFW	J	Cooling Fan Attaching Angle	AP
10	LANGTA007WJFW	J	AC Socket Attaching Angle	AD
11	LHLDW1003GEZZ	J	Wire Holer, x1	AA
12	LHLDW1060CEZZ	J	Wire Holer, x1	AB
13	LHLDZA009WJKZ	J	PWB Holder	BB
14	LX-BZA020WJZZ	J	Screw, x2	AC
15	LX-HZA007WJFD	J	Screw, x4	AB
16	NFANRA022WJZZ	J	Cooling Fan	
17	PCAPHA003WJSA	J	Lens Cap	AH
18	PSPAGA036WJZZ	J	Fan Spacer, x6	AD
19	PZETKA045WJZZ	J	Shield, for Ballast Unit	
20	PZETKA005WJ00	J	Shield, for Output Unit	AP
21	PZETZA004WJKZ	J	Insulating Sheet	AD
22	DUNTKB170DE04	–	Input Unit	—
23	DUNTKB929FE01	–	Output Unit	—
24	DUNTKB602DE01	–	Key Unit	—
25	DUNTKB603DE01	–	R/C Receiver Unit	—
26	RUNTKA058WJZZ	–	AC Inlet Unit	—
27	CPCi-A002CE30	J	PC I/F Unit	CS
28	RDENCA044WJZZ	–	Power Unit	—
29	RDENCA045WJZZ	J	Ballast Unit	BZ
30	QCNW-A491WJZZ	J	Bi-Metal	AM
31	QCNW-A774WJZZ	J	Connecting Cord (FG)	AD
32	QCNW-A936WJZZ	J	Connecting Cord (KY)	AC
34	QCNW-A495WJZZ	J	Connecting Cord (RC)	AD
35	XBBSD40P12000	J	Screw, x1	AB
36	XBBSF30P10000	J	Screw, x4	AA
37	XBPSD30P06R00	J	Screw, x13	AB
38	XEBSD30P08000	J	Screw, x5	AA
39	XEBSD30P12000	J	Screw, x13	AA
40	XEBSF30P12000	J	Screw, x10	AA
41	NSFTZ0134CEFW	J	Shaft Screw, x6	AD
42	NSFTZA001WJFW	J	Shaft Screw, x4	AD
43	GCOVHA014WJKZ	J	Shading Cover	AD
44	LANGTA005WJFW	J	Attaching Angle, x2	AE
45	LANGTA006WJFW	J	Attaching Angle, x1	AG
46	PSLDMA008WJFW	J	Shield	AK
47	LHLDW1021GE00	J	Wire Holder, x1	AB
49	PSPAZA061WJZZ	J	Spacer, x2	AD
50	PSLDMA009WJFW	J	Terminal Shield	AH
51	*Not Available*	–	Serial No. Label	—
53	95KEDB7781ZZ	J	Connecting Cord	AF
54	XJPSF30P08000	J	Screw, x2	AA
55	95KRAZ4141ZT	J	Screw, x1	AC

OPTICS MECHANISM PARTS-1/2
TEILE FÜR OPTIKMECHANISMUS-1/2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OPTICS MECHANISM PARTS-2/2
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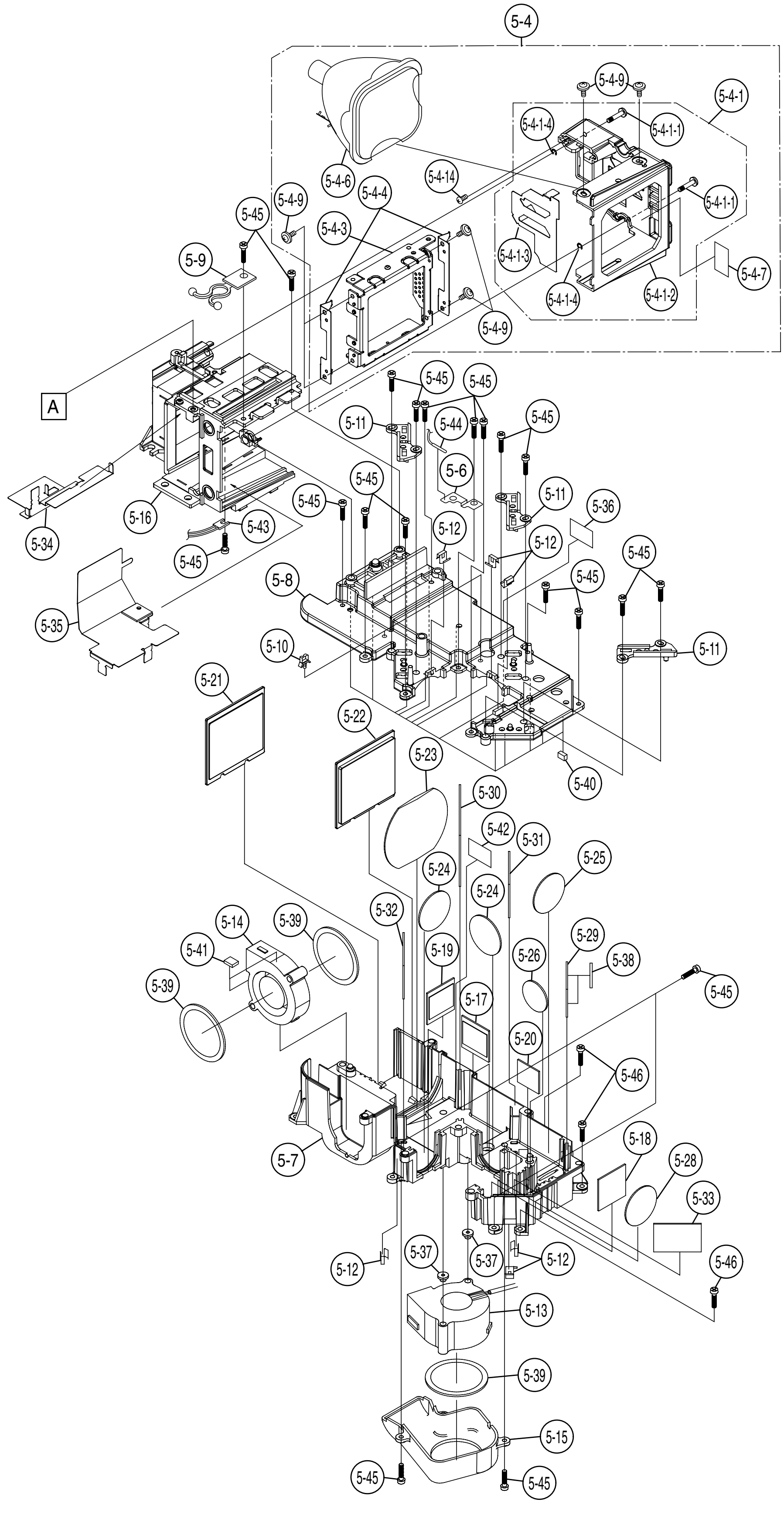
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OPTICAL MECHANISM PARTS

Ref. No.	Part No.	★	Description	Code
5	CCHSKA001WJ51	J	Optical Mechanism Unit	EW
5-1	*Not Available*	-	Intake Duct Ass'y	—
5-1-1	LANGKA116WJFW	J	IC Fan Angle	AG
5-1-2	LHLDW1037CEZZ	J	Wire Holder, x1	AA
5-1-3	LHLDW1182CEZZ	J	Cable Clamp, x1	AC
5-1-4	NFANRA005WJZZ	J	Cooling Fan, x1	AT
5-1-5	NFANSA002WJZZ	J	Blow Fan, x2	AX
5-1-6	NFANSA003WJZZ	J	Blow Fan, x1	AX
5-1-7	PDUC-A001WJKZ	J	Intake Duct(Bottom)	AN
5-1-8	PDUC-A002WJKZ	J	Intake Duct(Top)	AM
5-1-9	PSPAZ0373CEZZ	J	Spacer, for Fan, x12	AC
5-1-10	PSPAZA017WJZZ	J	Spacer, for Fan, x3	AB
5-1-11	QCNW-A498WJZZ	J	Connecting Cord(SO)	AF
5-1-12	QCNW-A499WJZZ	J	Connecting Cord(EB)	AH
5-1-13	RH-HXA002WJZZ	J	Thermister	AL
5-1-14	RUNTKA026WJN1	-	Fan Unit	—
5-1-15	XBPSD26P14000	J	Screw, x2	AA
5-1-16	XEBSD30P12000	J	Screw, x2	AA
5-2	*Not Available*	-	Exhaust Duct Ass'y	—
5-2-1	LANGKA004WJFW	J	Fixing Angle, x2	AD
5-2-2	LANGKA005WJFW	J	Fixing Angle, x2	AD
5-2-3	NFANRA003WJZZ	J	Exhaust Fan	AX
5-2-4	PDUC-A003WJKZ	J	Exhaust Duct	AQ
5-2-5	PSLDPA003WJFW	J	Heat Sink	AE
5-2-6	PSPAZ0373CEZZ	J	Spacer, for Fan, x8	AC
5-2-7	XEBSD30P12000	J	Screw, x6	AA
5-3	*Not Available*	-	Prism Holder Unit	—
5-3-1	CMiR-A004WJ51	J	Prism Unit	DX
5-3-1-1	LANGKA001WJFW	J	Fixing Spring, x3	AD
5-3-1-2	LANGKA036WJ00	J	Light Shielding Angle	AK
5-3-1-3	PFiLWA018WJZZ	J	Output Polarizer(G)	BF
5-3-1-4	PFiLWA019WJZZ	J	Output Polarizer(B)	BG
5-3-1-5	PFiLWA020WJZZ	J	Output Polarizer(R)	BG
5-3-1-6	XSSSF20P06000	J	Screw, x12	AA
5-3-1-7	XiPSF20P04000	J	Screw, x3	AA

Note:When exchanging the following parts, it becomes unit replacement correspondence.

Ref. No.	Part No.	★	Description	Code
5-3-1-8	*Not Available*	–	Fixing Angle(Upper)	—
5-3-1-9	*Not Available*	–	Fixing Angle(Lower)	—
5-3-1-10	*Not Available*	–	LCD Attaching Angle, x3	—
5-3-1-11	*Not Available*	–	Cross Dichroic Prism	—
5-3-1-12	*Not Available*	–	R-LCD Panel	—
5-3-1-13	*Not Available*	–	G-LCD Panel	—
5-3-1-14	*Not Available*	–	B-LCD Panel	—
5-3-1-15	XiPSF20P04W00	J	Screw, x3	AC
5-3-1-16	XSSSF20P04000	J	Screw, x6	AB
5-3-2	LHLDZA002WJFW	J	Prism Holder	AZ
5-3-3	LHLDZA036WJFW	J	Lens Mount	BD
5-3-4	LX-BZ3248CEFF	J	Screw, x4	AB
5-3-5	XBPSF30P08JS0	J	Screw, x4	AA
⚠ 5-4	BQC-XGC55X//1	J	Lamp Unit	CL
5-4-1	*Not Available*	–	Lamp Case Ass'y	—
5-4-1-1	LX-BZ3449CEFN	J	Screw, x2	AC
5-4-1-2	PCASZA002WJKZ	J	Lamp Case	AR
5-4-1-3	PSLDHA001WJFW	J	Heat Sink	AE
5-4-1-4	XREUW20-04000	J	E-ring, x2	AA
5-4-3	LANGUA006WJFW	J	Lamp Adjusting Angle	AP
5-4-4	MSPRKA002WJFW	J	Reflector Fixing Angle, x2	AD
5-4-6	RLMPFA009WJZZ	J	Lamp	CG
5-4-7	TLABZA429WJZZ	J	Caution Label	AC
5-4-9	XBPSF30P08JS0	J	Screw, x6	AA
5-4-14	XEBSD30P12000	J	Screw, x1	AA
5-5	GCOVUA003WJKZ	J	Light Shield Plate	AD
5-6	LANGKA037WJFW	J	Temp. Sensor Attaching Angle	AD
5-7	LCHSKA001WJKZ	J	Optical Mecha. Unit, Base	AY
5-8	LCHSKA002WJKZ	J	Optical Mecha. Unit, Cover	AV
5-9	LHLDW1046CEZZ	J	Wire Holder, x2	AA
5-10	LHLDW1076GEZZ	J	Cable Clamp Holder, x3	AA
5-11	LHLDZA001WJKZ	J	Mirror Adj. Holder, x3	AD
5-12	MSPRP1198CEFW	J	Mirror Fixing Spring, x6	AD
5-13	NFANSA002WJZZ	J	Blow Fan	AV
5-14	NFANSA003WJZZ	J	Blow Fan	AU
5-15	PCOVZA001WJKZ	J	PBS Fan Holder	AH
5-16	PCOVZA002WJKZ	J	Lamp House	AS
5-17	PFiLWA049WJZZ	J	Incoming PF(G)	BF
5-18	PFiLWA022WJZZ	J	Incoming PF(B)	BG
5-19	PFiLWA023WJZZ	J	Incoming PF(R)	BD
5-20	PFiLWA043WJZZ	J	UV Absorbing Filter	AW
5-21	PLNS-A027WJZZ	J	Fly-eye Lens-1	BL
5-22	PLNS-A007WJZZ	J	Fly-eye Lens-2	BS
5-23	PLNS-A008WJZZ	J	Condenser Lens-1	AX
5-24	PLNS-A009WJZZ	J	Condenser Lens-2, x2	AS
5-25	PLNS-A010WJZZ	J	Relay Lens-1	AT
5-26	PLNS-A011WJZZ	J	Relay Lens-2	AQ
5-27	PLNS-A012WJSA	J	Projection Lens	BZ
5-28	PLNS-A015WJZZ	J	Relay Lens-3	AS
5-29	PMiR-0219CEZZ	J	Reflection Mirror(M3)	AS
5-30	PMiR-A005WJZZ	J	Reflection Mirror(M1)	AZ
5-31	PMiR-A006WJZZ	J	Reflection Mirror(M2)	AV
5-32	PMiR-A008WJZZ	J	Reflection Mirror(M4)	AM
5-33	PMiR-A009WJZZ	J	Reflection Mirror(M5)	AL
5-34	PSLDHA003WJFW	J	Heat Sink, for Lamp House	AF
5-35	PSLDHA004WJFW	J	Heat Sink, for Lamp House	AF
5-36	PSPAT0076CEZZ	J	Teflon Tape, x2	AC
5-37	PSPAZ0373CEZZ	J	Fan Spacer, x2	AC
5-38	PSPAZA013WJZZ	J	Mirror Spacer, x10	AB
5-39	PSPAZA014WJZZ	J	Blow Fan Spacer, x3	AD
5-40	PSPAZA016WJZZ	J	Fixing Spacer, x13	AB
5-41	PSPAZA017WJZZ	J	Fan Spacer, x2	AB
5-42	PSPAZA090WJZZ	J	Glass Tape, x1	AF
5-43	QCNW-A546WJZZ	J	Connecting Cord	AG
5-44	RH-HXA003WJZZ	J	Temp. Sensor	AH
5-45	XBPSF30P08JS0	J	Screw, x22	AA
5-46	XEBSD30P12000	J	Screw, x4	AA
5-47	LHLDW1182CEZZ	J	Hoder	AC

SUPPLIED ACCESSORIES

Ref. No.	Part No.	★	Description	Code
	PFiLDA005WJZZ	J	Extra Air Filter	AF
⚠	QACCDA010WJPZ	J	Power Cord (for U.S., Canada, etc)	AR
⚠	QACCBA012WJPZ	J	Power Cord(for U.K., Hong Kong and Singapore)	AX
⚠	QACCLA014WJPZ	J	Power Cord(for Australia, New Zealand and Oceania)	AQ
⚠	QACCVA011WJPZ	J	Power Cord (for Europe, except U.K.)	AT
	QCNWGA012WJPZ	J	RGB Cable	AS
	QCNWG0007CEPZ	J	USB Cable	AL
	QCNWGA015WJPZ	J	DIN-D-sub RS-232C Adaptor	AK
	RCORF0083CEZZ	J	Core, for Power Cord (for U.S., Canada, etc)	AL
	RRMCGA176WJSA	J	Remote Control	BA
	95E103RRC21202	J	Battery Cover	AE
	TCADEA060WJZZ	J	Questionnaire Card	AE
	TCAUZA015WJZZ	J	Stipulation Card	AE
	TiNS-A812WJZZ	J	Operation Manual	AW
	TiNS-A867WJZZ	J	Operation Manual (Install Guide)	AG
	TLABZA364WJZZ	J	Quick Guide Label	AF
	UDSKAA035WJZZ	J	CD-ROM(INS)	AM
	UDSKAA036WJZZ	J	CD-ROM(SAPS)	AM
	CGAN-A163WJ01	J	ER Package (for U.S., Canada)	AM
	RUNTKA061WJZZ	J	Remote Mouse Receiver	BL

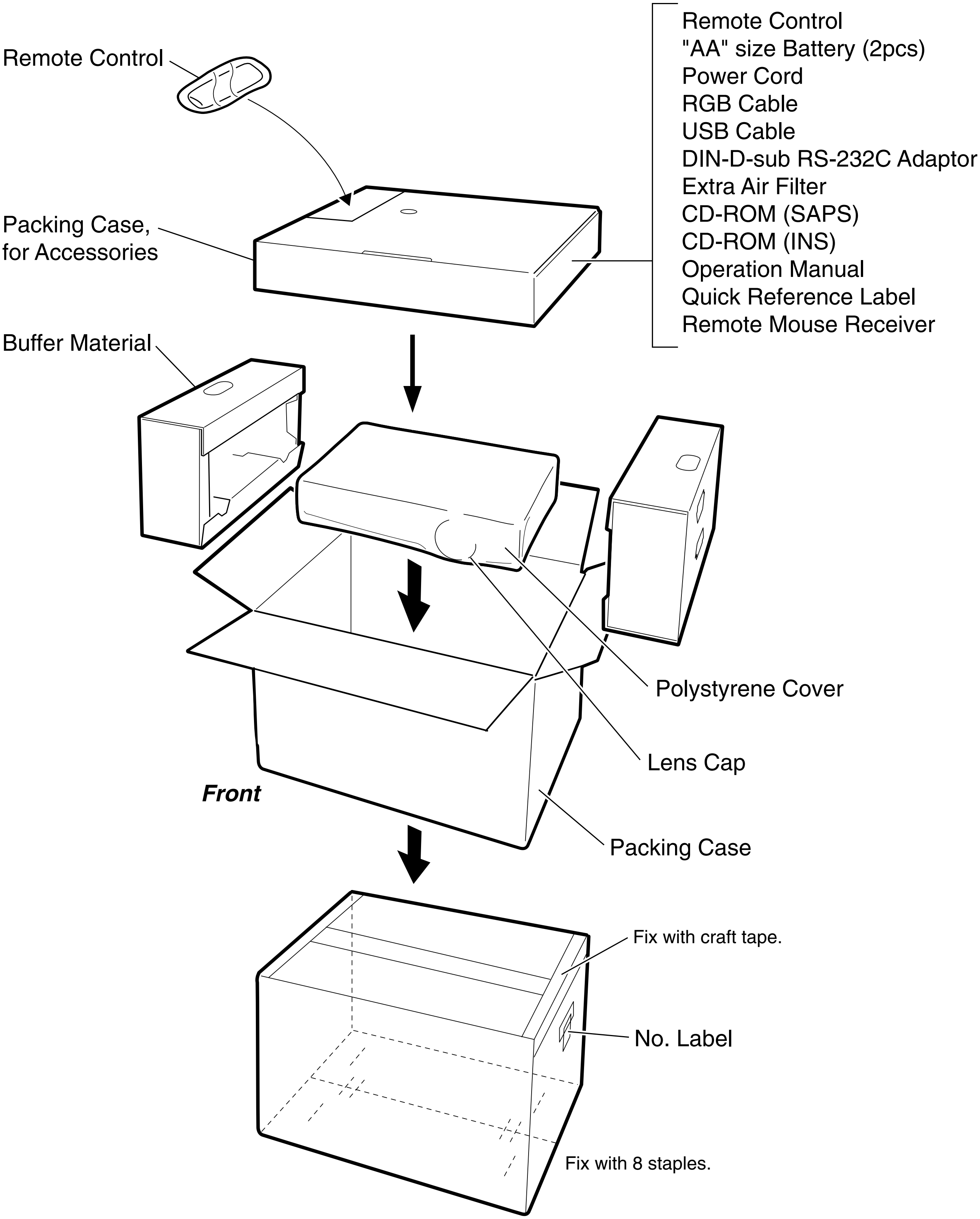
PACKING PARTS
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	SPAKCA827WJZZ	–	Packing Case	—
	SPAKFA040WJZZ	–	Packing Case, for Accessories	—
	SPAKFA071WJZZ	–	Partition	—
	SPAKP0805CEZZ	–	Polystylene Cover	—
	SPAKXA053WJZZ	–	Buffer Material	—
	SSAKA0160CEZZ	–	Polyethylene Bag	—
	TLABK0001TAZZ	–	No. Label	—

EXTENSION CABLE
(Use for servicing)

Ref. No.	Part No.	★	Description	Code
	QCNW-A868WJZZ	J	Connecting Cord (Output-Input)	CE
	QCNW-A869WJZZ	J	Connecting Cord (Output-PC I/F)	CE
	QCNW-A870WJZZ	J	Connecting Cord (Output-PC I/F)	CE
	QCNW-5688CEZZ	J	Connecting Cord, x3 (Output-LCD)	BK

PACKING OF THE SET/VERPACKEN DES GERÄTS


Remote Control
Packing Case, for Accessories
Buffer Material
Remote Control
"AA" size Battery (2pcs)
Power Cord
RGB Cable
USB Cable
DIN-D-sub RS-232C Adaptor
Extra Air Filter
CD-ROM (SAPS)
CD-ROM (INS)
Operation Manual
Quick Reference Label
Remote Mouse Receiver
Polystyrene Cover
Lens Cap
Front
Packing Case
Fix with craft tape.
No. Label
Fix with 8 staples.

SHARP

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Design : Japan
Production : Japan

SY. DS

SHARP CORPORATION
AV Systems Group
Quality & Reliability Control Center
Yaita, Tochigi 329-2193, Japan

PARTS LIST

PARTS REPLACEMENT

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

in **USA**: Contact your nearest SHARP Parts Distributor.
For location of SHARP Parts Distributor,
Please call Toll-Free; 1-800-BE-SHARP

in **CANADA**: Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100.

★ MARK: SPARE PARTS-DELIVERY SECTION

PRINTED WIRING BOARD ASSEMBLIES
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	DUNTKB170DE04	-	Input Unit	—
	DUNTKB929FE01	-	Output Unit	—
	DUNTKB602DE01	-	Key Unit	—
	DUNTKB603DE01	-	R/C Receiver Unit	—
	RUNTKA058WJZZ	-	AC Inlet Unit	—
	RUNTKA026WJN1	-	Fan Unit	—
	RDENCA044WJZZ	-	Power Unit	—
	CPCi-A002CE30	J	PC I/F Unit	CS
	RDENCA045WJZZ	J	Ballast Unit	BZ

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenshaften sind in den Ersatzteil durch "⚠" gekenn-zeichnet. Der Gebrauch von Ersatzteilen, die nicht deselben Sicherheitseigenschaften haben wie die vom Hersteller empfohlenen ud in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATSTEILE BESTELLT"

Damit Ihre Bestellung promt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR.
2. REF. NR.
3. ERSATZTEIL NR.
4. BESCHREIBUNG
5. KODE
6. QUANTITÄT

★ MARKIERUNG : ERSATZTEILE-LIEFERUNG

DUNTKB170DE04
INPUT UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC3001	VHi24LC21+12ES	J	24LC21	
IC3051	VHi24LC21+12ES	J	24LC21	
IC3101	VHiAD8185++-1Y	J	AD8185ARU	AW
IC3102	VHiLM2664++-1Y	J	LM2664M6X	AK
IC3151	RH-iX1945CEZZY	J	74F04SJ	AE
IC3152	VHiTC7W125U-1Y	J	TC7W125FU	AF
IC3153	VHiT7WT240U-1Y	J	TC7WT240FU	AF
IC3154	VHiT7WT240U-1Y	J	TC7WT240FU	AF
IC3602	VHiUPD4721G-1Y	J	UPD4721GS-GJG	AN

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q3151	VSDTC144EUA-1Y	J	DTC144EUA	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D401	VHDMA3120WA-1Y	J	MA3120WA	AD
D402	VHDMA3120WA-1Y	J	MA3120WA	AD
D3001	VHDKDS226//-1Y	J	KDS226	AB
D3002	VHDKDS226//-1Y	J	KDS226	AB
D3004	VHDKDS226//-1Y	J	KDS226	AB
D3005	VHDKDS226//-1Y	J	KDS226	AB
D3051	VHDKDS226//-1Y	J	KDS226	AB
D3052	VHDKDS226//-1Y	J	KDS226	AB
D3054	VHDKDS226//-1Y	J	KDS226	AB
D3055	VHDKDS226//-1Y	J	KDS226	AB
D3102	VHDKDS226//-1Y	J	KDS226	AB
D3103	VHDKDS226//-1Y	J	KDS226	AB
D3104	VHDKDS226//-1Y	J	KDS226	AB
D3105	VHDKDS226//-1Y	J	KDS226	AB
D3106	VHDKDS226//-1Y	J	KDS226	AB
D3109	VHDKDS226//-1Y	J	KDS226	AB
D3110	VHDKDS226//-1Y	J	KDS226	AB
D3111	VHDKDS226//-1Y	J	KDS226	AB
D3112	VHDKDS226//-1Y	J	KDS226	AB
D3113	VHDKDS226//-1Y	J	KDS226	AB
D3114	VHDKDS226//-1Y	J	KDS226	AB
D3606	VHDMA3120WA-1Y	J	MA3120WA	AD
D3607	VHDMA3120WA-1Y	J	MA3120WA	AD
D3608	VHDDAN202K/-1Y	J	DAN202K	AB

DUNTKB170DE04
INPUT UNIT(Continued)

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL402	RFiLN0514CEZZY	J	Filter	AE
FL403	RFiLN0017TAZZY	J	Filter	AC
FL431	RFiLN0017TAZZY	J	Filter	AC
FL3001	RFiLN0003TAZZY	J	Filter	AD
FL3002	RFiLN0003TAZZY	J	Filter	AD
FL3003	RFiLN0003TAZZY	J	Filter	AD
FL3051	RFiLN0003TAZZY	J	Filter	AD
FL3052	RFiLN0003TAZZY	J	Filter	AD
FL3053	RFiLN0003TAZZY	J	Filter	AD
FL3101	RFiLN0003TAZZY	J	Filter	AD
FL3102	RFiLN0003TAZZY	J	Filter	AD
FL3103	RFiLN0003TAZZY	J	Filter	AD
L3001	VP-1M100J1R6NY	J	Peaking 10μH	AB
L3101	VPCKM100J1R3NY	J	Peaking 10μH	AB
L3102	VP-1M100J1R6NY	J	Peaking 10μH	AB
L3103	VPCKM100J1R3NY	J	Peaking 10μH	AB

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C421	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C422	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C431	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C432	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C441	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C442	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C3001	VCEAPF0JW476MY	J	47	6.3V	Electrolytic	AB
C3002	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C3003	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C3004	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C3006	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3007	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C3008	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C3009	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C3051	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C3052	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C3053	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C3055	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3056	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C3057	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C3058	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C3101	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3102	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C3103	VCAAPC1AJ106MY	J	10	10V	Electrolytic	AE
C3104	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C3105	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C3106	VCEAPF1CW226MY	J	22	16V	Electrolytic	AB
C3107	VCEAPF1CW226MY	J	22	16V	Electrolytic	AB
C3108	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3109	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3110	VCE9PF0JW476MY	J	47	6.3V	Elect.(N,P)	AD
C3111	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C3112	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C3113	VCE9PF0JW476MY	J	47	6.3V	Elect.(N,P)	AD
C3114	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C3115	VCE9PF0JW476MY	J	47	6.3V	Elect.(N,P)	AD
C3116	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C3117	VCE9PF0JW476MY	J	47	6.3V	Elect.(N,P)	AD
C3118	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C3119	VCE9PF0JW476MY	J	47	6.3V	Elect.(N,P)	AD
C3120	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C3121	VCE9PF0JW476MY	J	47	6.3V	Elect.(N,P)	AD
C3122	VCCCCY1HH102JY	J	1000p	50V	Ceramic	AB
C3126	VCCCCY1HH102JY	J	1000p	50V	Ceramic	AB
C3151	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3152	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C3153	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C3154	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3155	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3156	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3602	VCEAPF1HW225MY	J	2.2	50V	Electrolytic	AB
C3603	VCEAPF1HW225MY	J	2.2	50V	Electrolytic	AB
C3604	VCEAPF1HW225MY	J	2.2	50V	Electrolytic	AB
C3605	VCEAPF1HW225MY	J	2.2	50V	Electrolytic	AB
C3606	VCEAPF1HW225MY	J	2.2	50V	Electrolytic	AB
C3607	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description			Code
R409	VRS-TQ2BD750JY	J	75	1/8W	Metal Oxide	AA
R410	VRS-TQ2BD750JY	J	75	1/8W	Metal Oxide	AA
R431	VRS-TQ2BD750JY	J	75	1/8W	Metal Oxide	AA
R3002	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R3003	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R3004	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R3006	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R3007	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3008	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3009	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3010	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3011	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3012	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3013	VRS-CY1JF271JY	J	270	1/16W	Metal Oxide	AA
R3014	VRS-CY1JF271JY	J	270	1/16W	Metal Oxide	AA
R3052	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R3053	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R3054	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R3056	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R3057	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3058	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3059	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3060	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3061	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3062	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3063	VRS-CY1JF271JY	J	270	1/16W	Metal Oxide	AA
R3064	VRS-CY1JF271JY	J	270	1/16W	Metal Oxide	AA
R3103	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R3104	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R3105	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R3106	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R3107	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R3108	VRS-TW2ED750JY	J	75	1/4W	Metal Oxide	AA
R3109	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3111	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3113	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3115	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3117	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3119	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3121	VRS-CY1JF222JY	J	2.2k	1/16W	Metal Oxide	AA
R3122	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R3123	VRS-CY1JF222JY	J	2.2k	1/16W	Metal Oxide	AA
R3124	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R3151	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3152	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3155	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3156	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3157	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R3613	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3614	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3615	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3616	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R3617	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R5501	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R5502	VRS-CY1JF823JY	J	82k	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB422	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB423	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB431	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB433	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB434	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB442	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB443	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB3002	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3003	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3004	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3005	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3052	RBLN-0060TAZZY	J	Ferrite Bead	AB

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INPUT UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
FB3053	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3054	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3055	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3101	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3102	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3602	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB3603	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB3609	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB5501	RBLN-0058CEZZY	J	Ferrite Bead	AB
J402	QSOCD0403GEZZ	J	Socket, Input 4	AE
J421	QJAKJ0008GEZZ	J	Jack, Audio IN1/2	AD
J431	QJAKG0064CEZZ	J	Jack, Input 3	AG
J441	QJAKJ0008GEZZ	J	Jack, Audio Out	AD
J5501	QJAKJ0007TAZZ	J	Jack, Wired R/C In	AC
SC3001	QSOCN0448FJZZ	J	Socket, 17pin(Input4)	AM
SC3051	QSOCN0448FJZZ	J	Socket, 17pin(Input2)	AM
SC3101	QSOCN0344FJZZ	J	Socket, 17pin (Output/Input1,2)	AM
SC3102	QCNCW3026TAZZ	J	Socket, 30pin(1A)	AF
SC3601	QSOCD0901CEZZ	J	RS-232C Terminal	AH
SC3602	QCNCW2026TAZZ	J	Socket, 20pin(1B)	AE

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OUTPUT UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC302	VHiLV4053AT-1Y	J	SN74LV4053APWR	AE
IC303	VHiBA3530FS-1Y	J	BA3530FS-E1	AM
IC1101	VHiL3E06100-1Q	J	I.C	BA
IC1201	VHiL3E06100-1Q	J	I.C	BA
IC1301	VHiL3E06100-1Q	J	I.C	BA
IC1401	VHiL3E07070-1Q	J	I.C	BB
IC1502	VHiNJM2904V-1Y	J	NJM2904V	AF
IC1505	VHiTC4W53U/-1Y	J	TC4W53FU	AF
IC1506	VHiNJM2904V-1Y	J	NJM2904V	AF
IC2401	VHiSM5301AS-1Y	J	SM5301AS-G-ET	AR
IC2402	VHiLMV7239+-1Y	J	LMV7239M5X	AH
IC2403	VHiLMV7239+-1Y	J	LMV7239M5X	AH
IC2404	VHiLV125AT+-1Y	J	SN74LV125APWR	AE
IC2602	RH-iXA730WJZZQ	J	IC	AP
IC2603	VHiBD4729G+-1Y	J	BD4729G-TR	AD
IC2604	VHiSN2G32CT-1Y	J	SN74AHC2G32HDC	AE
IC2605	VHiHN24256T-1Y	J	HN58X24256TI	AT
IC2606	VHiSN2G53CT-1Y	J	SN74AHC2G53HDC	AE
IC2607	VHiAHCT08PW-1Y	J	SN74AHCT08PW	AD
IC2701	VHiM62320FP-1Y	J	M62320FP	AH
IC2702	VHiM62320FP-1Y	J	M62320FP	AH
IC2751	VHiM62392FP-1Y	J	M62392FP	AM
IC2752	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC4502	VHiNJM2244M-1Y	J	NJM2244M	AG
IC4505	VHiBA7655AF-1Y	J	BA7655AF	AG
IC4506	VHiNJM2060V-1Y	J	NJM2060V	AF
IC4507	VHiTHC4538T-1Y	J	TC74HC4538AFT	AL
IC4508	VHiSNT1G08C-1Y	J	SN74AHCT1G08DC	AD
IC4510	VHiSNT1G08C-1Y	J	SN74AHCT1G08DC	AD
IC4511	VHiNJM2244M-1Y	J	NJM2244M	AG
IC7001	VHiPQ1R33//-1Y	J	PQ1R33	AE
IC7002	VHiPQ05DZ1U-1Y	J	PQ05DZ1U	AG
IC7003	VHiPQ3DZ13U-1Y	J	PQ3DZ13U	AG
IC7004	VHiPQ05DZ1U-1Y	J	PQ05DZ1U	AG
IC7005	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7006	VHiPQ018EZ5-1Y	J	PQ018EZ5MZP	AF
IC7007	VHiT7MA541K-1Y	J	TC7MA541FK	AH

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q301	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q302	VS2SD1760QA-1Y	J	2SD1760QA	AD
Q303	VS2SD1760QA-1Y	J	2SD1760QA	AD
Q304	VSHN2C01FU/-1Y	J	HN2C01FU	AC
Q305	VSHN2C01FU/-1Y	J	HN2C01FU	AC
Q306	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q307	VSDTC114EUA-1Y	J	DTC114EUA	AB
Q308	VSDTC114EUA-1Y	J	DTC114EUA	AB
Q1101	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1102	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1103	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1104	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1201	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1202	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1203	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1204	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1301	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1302	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1303	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1304	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1501	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2401	VS2SC2735//-1Y	J	2SC2735	AB
Q2402	VS2SC2735//-1Y	J	2SC2735	AB
Q2403	VS2SC2735//-1Y	J	2SC2735	AB
Q2415	VSHN1B04FU/-1Y	J	HN1B04FU	AC
Q2416	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2417	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2418	VSDTC114EUA-1Y	J	DTC114EUA	AB
Q2419	VSHN1C01FU/-1Y	J	HN1C01FU	AC
Q2420	VSHN1C01FU/-1Y	J	HN1C01FU	AC
Q2701	VSBSN20////-1Y	J	BSN20	AD

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OUTPUT UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
Q2702	VSHN1K03FU+-1Y	J	HN1K03FU	AD
Q2751	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2752	VSHN2C01FU/-1Y	J	HN2C01FU	AC
Q2753	VSDTA114EUA-1Y	J	DTA114EUA	AB
Q2754	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2755	VSDTC114EUA-1Y	J	DTC114EUA	AB
Q2756	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q4501	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q4502	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q4504	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q4505	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q4506	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q4511	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q4512	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q4513	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q4514	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q4515	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q7001	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q7003	VSDTC114EUA-1Y	J	DTC114EUA	AB
Q7004	VSDTC114EUA-1Y	J	DTC114EUA	AB
Q7005	VSDTC114EUA-1Y	J	DTC114EUA	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D1501	VHDDAN202K/-1Y	J	DAN202K	AB
D2751	VHDDAN202K/-1Y	J	DAN202K	AB
D2752	VHDDAN202K/-1Y	J	DAN202K	AB
D4501	RH-EX0519CEZZY	J	Zener Diode, EX0519CE	AB
D4502	RH-EX0519CEZZY	J	Zener Diode, EX0519CE	AB
D4503	VHDMA152WA/-1Y	J	MA152WA	AB
D4504	VHDMA152WA/-1Y	J	MA152WA	AB
D7001	VHDDAN202K/-1Y	J	DAN202K	AB
D7002	VHDDAN202K/-1Y	J	DAN202K	AB
D7003	VHDDAN202K/-1Y	J	DAN202K	AB
D7004	VHDDAN202K/-1Y	J	DAN202K	AB
D7005	VHDDAN202K/-1Y	J	DAN202K	AB

CRYSTAL

Ref. No.	Part No.	★	Description	Code
X2601	RCRSB0286CEZZY	J	Crystal	AH

COILS AND FILTERS

Ref. No.	Part No.	★	Description	Code
L1101	VPCKM100J1R3NY	J	Peaking 10μH	AB
L1201	VPCKM100J1R3NY	J	Peaking 10μH	AB
L1301	VPCKM100J1R3NY	J	Peaking 10μH	AB
L4501	VPCKM220J2R1NY	J	Peaking 22μH	AB
L4504	VPCKM220J2R1NY	J	Peaking 22μH	AB

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C301	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C302	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C303	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C305	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C309	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C310	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C311	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C312	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C313	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C314	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C316	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C318	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C319	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C320	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C321	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C322	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C323	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C324	VCCCCY1HH102JY	J	1000p	50V	Ceramic	AB
C326	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C327	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1101	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1103	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1105	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1106	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1107	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1108	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1109	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1110	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1111	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1113	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1114	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1115	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1116	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1118	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1119	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1120	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1121	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1122	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1123	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1124	VCEAPV1EW336MY	J	33	25V	Electrolytic	AD
C1125	VCCCCY1HH102JY	J	1000p	50V	Ceramic	AB
C1126	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C1201	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1203	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1205	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1206	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1207	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1208	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1209	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1210	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1211	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1213	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1214	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1215	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1216	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1218	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1219	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1220	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1221	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1222	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1223	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1224	VCEAPV1EW336MY	J	33	25V	Electrolytic	AD
C1225	VCCCCY1HH102JY	J	1000p	50V	Ceramic	AB
C1226	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C1301	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1303	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1305	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1306	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1307	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1308	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1309	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1310	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1311	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1313	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1314	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1315	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1316	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1318	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1319	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1320	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1321	RC-KZA048WJZZY	J	10	25V	Ceramic	AD
C1323	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1324	VCEAPV1EW336MY	J	33	25V	Electrolytic	AD
C1325	VCCCCY1HH102JY	J	1000p	50V	Ceramic	AB
C1326	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C1332	VCKYCY1AF105ZY	J	1	10V	Ceramic	AC
C1401	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1402	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1403	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1404	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1406	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1407	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1408	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1409	RC-KZA041WJZZY	J	10	10V	Ceramic	AC
C1410	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1411	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C1412	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1413	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1414	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA

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OUTPUT UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
C1415	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1416	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1419	VCCCCY1HH102JY	J	1000p 50V Ceramic	AB
C1501	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C1502	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1503	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1504	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C1506	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C1508	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1509	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1510	VCCCCY1HH271JY	J	270p 50V Ceramic	AA
C1511	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1512	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2401	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2407	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2408	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2409	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C2410	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2411	VCKYCY1AB105KY	J	1 10V Ceramic	AB
C2412	VCKYCY1AB105KY	J	1 10V Ceramic	AB
C2413	VCKYCY1AB105KY	J	1 10V Ceramic	AB
C2420	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2421	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C2423	VCCCCY1HH5R0CY	J	5.0p 50V Ceramic	AA
C2424	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C2425	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2426	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C2427	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2428	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C2429	VCKYCY1AB105KY	J	1 10V Ceramic	AB
C2441	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C2442	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2443	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2445	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C2446	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C2447	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C2448	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2601	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2602	VCCCCY1HH471JY	J	470p 50V Ceramic	AA
C2604	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2605	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2606	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2607	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2608	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2609	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2610	VCEAPF0JW476MY	J	47 6.3V Electrolytic	AB
C2611	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2612	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2613	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2614	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2615	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2616	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2617	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2618	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2619	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
C2621	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2622	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2701	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C2702	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2703	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2751	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2752	VCEAPF1EW226MY	J	22 25V Electrolytic	AD
C2757	VCEAPF1CW476MY	J	47 16V Electrolytic	AC
C2759	VCEAPF1CW476MY	J	47 16V Electrolytic	AC
C2760	VCEAPF1HW225MY	J	2.2 50V Electrolytic	AB
C4501	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C4503	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4504	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C4505	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C4506	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4523	VCCCCY1HH471JY	J	470p 50V Ceramic	AA
C4524	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4525	VCKYTV1CB334KY	J	0.33 16V Ceramic	AC
C4546	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4547	VCCCCY1HH270JY	J	27p 50V Ceramic	AA
C4548	VCCCCY1HH120JY	J	12p 50V Ceramic	AA
C4549	VCCCCY1HH100DY	J	10p 50V Ceramic	AA
C4551	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4552	VCEAPF0JW476MY	J	47 6.3V Electrolytic	AB
C4555	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4556	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C4557	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4558	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4559	VCEAPF1HW225MY	J	2.2 50V Electrolytic	AB
C4560	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C4561	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C4564	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C4565	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4566	VCCCCY1HH471JY	J	470p 50V Ceramic	AA
C4567	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C4569	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4570	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C4571	VCCCCY1HH102JY	J	1000p 50V Ceramic	AB
C4572	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4573	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4574	VCE9PF1CW106MY	J	10 16V Elect.(N,P)	AC
C4575	VCE9PF1CW106MY	J	10 16V Elect.(N,P)	AC
C4576	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C4579	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C4580	VCKYTV1CB105KY	J	1 16V Ceramic	AC
C7001	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7002	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7003	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7004	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7005	VCEAPF1CW476MY	J	47 16V Electrolytic	AC
C7006	VCEAPF0JW107MY	J	100 6.3V Electrolytic	AC
C7007	VCEAPF0JW107MY	J	100 6.3V Electrolytic	AC
C7008	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7009	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C7011	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
C7012	VCEAPF0JW107MY	J	100 6.3V Electrolytic	AC
C7013	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7014	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7015	VCEAPF1EW226MY	J	22 25V Electrolytic	AD
C7016	VCEAPF1EW226MY	J	22 25V Electrolytic	AD
C7017	VCEAPF0JW107MY	J	100 6.3V Electrolytic	AC
C7018	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7019	VCEAPF0JW107MY	J	100 6.3V Electrolytic	AC
C7021	VCKYCY1AF105ZY	J	1 10V Ceramic	AC
C7031	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7041	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7042	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7043	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7044	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7045	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7046	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7047	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7048	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7049	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7050	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7051	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7052	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7053	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7054	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7055	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7056	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7057	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7058	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7059	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7060	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7061	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7062	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7063	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7064	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7065	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7066	VCCCCY1HH470JY	J	47p 50V Ceramic	AA

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Ref. No.	Part No.	★	Description	Code
C7067	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7068	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7069	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7070	VCCCCY1HH470JY	J	47p 50V Ceramic	AA
C7071	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R301	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R302	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R303	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R304	VRS-CE3AF1R0JY	J	1 1W	AC
R305	VRS-TX2HF2R2JY	J	2.2 1/2W Metal Oxide	AB
R306	VRS-TX2HF2R2JY	J	2.2 1/2W Metal Oxide	AB
R307	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R308	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA
R310	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R311	VRS-CY1JF432JY	J	4.3k 1/16W Metal Oxide	AA
R313	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R314	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R315	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R316	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R317	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R318	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R319	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R320	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R321	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R322	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R323	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R324	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R325	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R326	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R327	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R328	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R329	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R330	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R331	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA
R332	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA
R333	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R334	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R335	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R336	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R337	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R338	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R339	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R340	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA
R341	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R342	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R343	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R344	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R345	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA
R346	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R347	VRS-CY1JF154JY	J	150k 1/16W Metal Oxide	AA
R348	VRS-CY1JF154JY	J	150k 1/16W Metal Oxide	AA
R349	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R350	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R351	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R352	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R353	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R354	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R355	VRS-CY1JF681JY	J	680 1/16W Metal Oxide	AA
R356	VRS-CY1JF681JY	J	680 1/16W Metal Oxide	AA
R357	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R358	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R1101	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1102	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1103	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1108	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1110	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1111	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1112	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1113	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1114	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1115	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1116	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1117	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1119	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1120	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1121	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1122	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1123	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1124	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1126	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1127	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1128	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1129	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1130	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1131	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1132	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1133	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1135	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1137	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1138	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1139	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1140	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1141	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1142	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1143	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1144	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1145	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1146	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1147	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1148	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1149	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1150	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1151	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1152	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1153	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1163	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1168	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1171	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1172	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1173	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1174	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1175	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1176	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1177	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1178	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1179	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1180	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1181	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R1182	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1201	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1202	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1203	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1208	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1210	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1211	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1212	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1213	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1214	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1215	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1216	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1217	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1219	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1220	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1221	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1222	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1223	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1224	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1226	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1227	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1228	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1229	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1230	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1231	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1232	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA

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OUTPUT UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R1233	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1235	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1237	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1238	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1239	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1240	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1241	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1242	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1243	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1244	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1245	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1246	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1247	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1248	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1249	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1250	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1251	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1252	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1253	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1263	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1268	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1271	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1272	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1273	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1274	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1275	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1276	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1277	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1278	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1279	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1280	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1281	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R1282	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1301	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1302	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1303	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1308	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1310	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R1311	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1312	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1313	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1314	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1315	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1316	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1317	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1319	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1320	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1321	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1322	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1323	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1324	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1326	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1327	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1328	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1329	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1330	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1331	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1332	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1333	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1335	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1337	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1338	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1339	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1340	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1341	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1342	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1343	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1344	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1345	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1346	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1347	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1348	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1349	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1350	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1351	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1352	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1353	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1363	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1368	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1371	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R1372	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1373	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1374	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R1375	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R1376	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1377	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1378	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1379	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1380	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R1381	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R1382	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1402	VRS-CH1JF103JY	J	10k 1/16W Metal Oxide	AA
R1403	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1404	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1405	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1407	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1408	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R1409	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1410	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1411	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1412	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1413	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1414	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1416	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1418	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1419	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1420	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1421	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1425	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1426	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1427	VRS-CY1JF203JY	J	20k 1/16W Metal Oxide	AA
R1428	VRS-CY1JF750JY	J	75 1/16W Metal Oxide	AA
R1429	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1430	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R1431	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1434	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1435	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1436	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1437	VRS-CH1JF000JY	J	0 1/16W Metal Oxide	AA
R1438	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1439	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1440	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1441	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1442	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1443	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1444	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1445	VRS-CH1JF000JY	J	0 1/16W Metal Oxide	AA
R1447	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1448	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1449	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1450	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1451	VRS-CH1JF000JY	J	0 1/16W Metal Oxide	AA
R1453	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1454	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1455	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1456	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1457	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1458	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1459	VRS-CH1JF470JY	J	47 1/16W Metal Oxide	AA
R1460	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1461	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R1463	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R1468	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1504	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1507	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1510	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA

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OUTPUT UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R1516	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R1519	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R1522	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1526	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1530	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1531	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1532	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
R1533	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R1534	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
R1535	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
R1537	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1538	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R1539	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1540	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R1541	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R1547	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R1548	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA
R1549	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R1550	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R1551	VRS-CY1JF822JY	J	8.2k 1/16W Metal Oxide	AA
R1552	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R1553	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2401	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2402	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2409	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2410	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2411	VRS-TV1JD680JY	J	68 1/16W Metal Oxide	AA
R2412	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2413	VRS-TV1JD680JY	J	68 1/16W Metal Oxide	AA
R2415	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2416	VRS-TV1JD680JY	J	68 1/16W Metal Oxide	AA
R2417	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2418	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R2440	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2441	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2442	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R2443	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R2444	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R2445	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R2446	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R2447	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2448	VRS-CY1JF392FY	J	3.9k 1/16W Metal Oxide	AA
R2449	VRS-CY1JF151FY	J	150 1/16W Metal Oxide	AA
R2450	VRS-CY1JF112FY	J	1.1k 1/16W Metal Oxide	AA
R2451	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R2452	VRS-CY1JF183JY	J	18k 1/16W Metal Oxide	AA
R2456	VRS-CY1JF183JY	J	18k 1/16W Metal Oxide	AA
R2457	VRS-CY1JF183JY	J	18k 1/16W Metal Oxide	AA
R2458	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2459	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2460	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2461	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2462	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2463	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2464	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2465	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2466	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2467	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2602	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2603	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2604	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2605	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R2609	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2611	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2612	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2614	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2615	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2616	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R2618	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2620	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2621	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2622	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R2623	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R2625	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2626	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2628	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2629	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2631	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2632	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2635	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2636	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2637	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2638	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2639	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2640	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R2641	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R2642	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2643	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2644	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2645	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2646	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2647	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2652	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2701	VRS-CJ1JF101JY	J	100 1/16W Metal Oxide	AA
R2702	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2704	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2705	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2706	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2707	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2708	VRS-CJ1JF101JY	J	100 1/16W Metal Oxide	AA
R2711	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2712	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2713	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2714	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2715	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA
R2716	VRS-CJ1JF101JY	J	100 1/16W Metal Oxide	AA
R2718	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2721	VRS-CY1JF473FY	J	47k 1/16W Metal Oxide	AA
R2723	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R2724	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA
R2725	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2726	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2751	VRS-CJ1JF101JY	J	100 1/16W Metal Oxide	AA
R2752	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2753	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2754	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2755	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R2756	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R2758	VRS-CE3AF1R0JY	J	1 1W Metal Oxide	AC
R2759	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R2760	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2761	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R2762	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R2763	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA
R2767	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2770	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R2771	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA
R2772	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R2773	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R2774	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4501	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4503	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4504	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R4505	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4506	VRS-CY1JF470JY	J	47 1/16W Metal Oxide	AA
R4507	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4508	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4509	VRS-TV1JD000JY	J	0 1/16W Metal Oxide	AA
R4518	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4519	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R4520	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4521	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R4522	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R4523	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA
R4524	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R4542	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA

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OUTPUT UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R4543	VRS-CY1JF911JY	J	910 1/16W Metal Oxide	AB
R4544	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R4545	VRS-CY1JF182FY	J	1.8k 1/16W Metal Oxide	AA
R4546	VRS-CY1JF221FY	J	220 1/16W Metal Oxide	AA
R4547	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4548	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R4549	VRS-CY1JF183JY	J	18k 1/16W Metal Oxide	AA
R4550	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4551	VRS-TV1JD000JY	J	0 1/16W Metal Oxide	AA
R4553	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4555	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4556	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R4557	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R4558	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA
R4559	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA
R4560	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4561	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R4562	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R4563	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4564	VRS-CY1JF393JY	J	39k 1/16W Metal Oxide	AA
R4565	VRS-CY1JF274JY	J	270k 1/16W Metal Oxide	AA
R4566	VRS-CY1JF683JY	J	68k 1/16W Metal Oxide	AA
R4567	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4568	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R4569	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4570	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R4571	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R4572	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4573	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4574	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4575	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4576	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4577	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R4578	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4580	VRS-CY1JF394JY	J	390k 1/16W Metal Oxide	AA
R4581	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4585	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4586	VRS-CY1JF821JY	J	820 1/16W Metal Oxide	AA
R4587	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R4589	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R4590	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4592	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4593	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
R4594	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7001	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7002	VRS-TX2HF1R0JY	J	1 1/2W Metal Oxide	AB
R7004	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R7005	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R7009	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7010	VRS-TX2HF1R0JY	J	1 1/2W Metal Oxide	AB
R7011	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7012	VRS-TX2HF1R0JY	J	1 1/2W Metal Oxide	AB
R7013	VRS-CY1JF683JY	J	68k 1/16W Metal Oxide	AA
R7014	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R7015	VRS-CY1JF152FY	J	1.5k 1/16W Metal Oxide	AA
R7016	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7023	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7025	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7026	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7027	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7028	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R7029	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7030	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7031	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7033	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7034	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7040	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7041	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7050	VRN-CY1JF103DY	J	10k 1/16W Metal Film	AA
R7054	VRN-CY1JF103DY	J	10k 1/16W Metal Film	AA
R7058	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7059	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7061	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R7062	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7063	VRS-CJ1JF100JY	J	10 1/16W Metal Oxide	AA
R7064	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R7065	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R7066	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R7067	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R7068	VRS-CJ1JF100JY	J	10 1/16W Metal Oxide	AA
R7069	VRS-CH1JF100JY	J	10 1/16W Metal Oxide	AA
R7070	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7078	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7083	VRS-TX2HF1R0JY	J	1 1/2W Metal Oxide	AB
R7084	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7090	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA

SWITCH

Ref. No.	Part No.	★	Description	Code
S2601	QSW-K0108CEZZY	J	Switch	AD

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB301	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB302	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB1102	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB1202	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB1302	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB1401	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB1402	RBLN-0062TAZZY	J	Ferrite Bead	AB
FB2401	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB2751	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB2753	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB4503	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB7001	RBLN-0065TAZZY	J	Ferrite Bead	AA
FB7002	RBLN-0065TAZZY	J	Ferrite Bead	AA
FB7003	RBLN-0065TAZZY	J	Ferrite Bead	AA
FB7004	RBLN-0065TAZZY	J	Ferrite Bead	AA
FB7005	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7006	RBLN-0059CEZZY	J	Ferrite Bead	AB
P301	QPLGN0474TAZZY	J	Plug, 4pin(SO1)	AD
P1302	QPLGN0463TAZZY	J	Plug, 4pin(TP)	AC
P2602	QPLGN0363TAZZY	J	Plug, 3pin(RC)	AC
P2751	QPLGN1174TAZZY	J	Plug, 11pin(EB1)	AE
P2752	QPLGN0364TAZZY	J	Plug, 3pin(FD)	AC
P3102	QCNCM3021TAZZ	J	Connector, 30pin(1A)	AL
P3602	QCNCM2021TAZZ	J	Connector, 20pin(1B)	AH
P7001	QPLGNA008WJZZ	J	Plug, 24pin(EA)	AD
P7002	QPLGN0264TAZZY	J	Plug, 2pin(L1)	AC
P7004	QPLGN0264TAZZY	J	Plug, 2pin(L3)	AC
P7005	QLUGHA002WJZZ	J	Lug	AB
P7006	QPLGN0264TAZZY	J	Plug, 2pin(L2)	AC
P8001	QCNCMA019WJZZY	J	Connector, 82pin(PC0)	AH
P8002	QCNCMA019WJZZY	J	Connector, 82pin(PC1)	AH
SC1101	QSOCN3071TAZZY	J	Socket, 30pin(RP)	AE
SC1201	QSOCN3071TAZZY	J	Socket, 30pin(GP)	AE
SC1301	QSOCN3071TAZZY	J	Socket, 30pin(BP)	AE
SC2601	QSOCN1897REZZY	J	Socket, 18pin(KY)	AE
	GCOVHA014WJKZ	J	Cover	AD
	PSLDHA015WJFW	J		AE
	PSLDHA016WJFW	J		AE

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KEY UNIT

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q2201	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2202	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2203	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2204	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2205	VSDTC144EUA-1Y	J	DTC144EUA	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D2201	RH-PX0210TAZZY	J	LED, POWER	AC
D2202	RH-PX0210TAZZY	J	LED, LAMP	AC
D2203	RH-PX0210TAZZY	J	LED, TEMP	AC

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C2201	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2202	VCKYTV1EF104ZY	J	0.1 25V Ceramic	AB

RESISTORS

Ref. No.	Part No.	★	Description	Code
R2201	VRS-CY1JF751FY	J	750 1/16W Metal Oxide	AA
R2208	VRS-CY1JF751FY	J	750 1/16W Metal Oxide	AA
R2210	VRS-CY1JF751FY	J	750 1/16W Metal Oxide	AA
R2211	VRS-CY1JF751FY	J	750 1/16W Metal Oxide	AA
R2213	VRS-TW2ED471JY	J	470 1/4W Metal Oxide	AA
R2214	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R2215	VRS-TW2ED471JY	J	470 1/4W Metal Oxide	AA
R2216	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R2217	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R2218	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R2219	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R2220	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R2221	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R2222	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R2223	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R2224	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2225	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA

SWITCHES

Ref. No.	Part No.	★	Description	Code
S2201	QSW-PA012WJZZY	J	Switch, ON	AD
S2204	QSW-PA012WJZZY	J	Switch, MENU	AD
S2205	QSW-PA012WJZZY	J	Switch, CURSOL Right/ VOL +	AD
S2206	QSW-PA012WJZZY	J	Switch, AUTO SYNC	AD
S2207	QSW-PA012WJZZY	J	Switch, CURSOL DOWN	AD
S2208	QSW-PA012WJZZY	J	Switch, ENTER	AD
S2209	QSW-PA012WJZZY	J	Switch, KEYSTONE	AD
S2210	QSW-PA012WJZZY	J	Switch, UNDO	AD
S2211	QSW-PA012WJZZY	J	Switch, CURSOL LEFT/ VOL -	AD
S2212	QSW-PA012WJZZY	J	Switch, CURSOL UP	AD
S2213	QSW-PA012WJZZY	J	Switch, OFF	AD
S2214	QSW-PA012WJZZY	J	Switch, INPUT	AD

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P2203	QPLGN0264TAZZY	J	Plug, 2pin(KY3)	AC
SC2201	QSOCN1836TAZZY	J	Socket, 18pin(KY0)	AD

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R/C RECEIVER UNIT

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C5591	VCEASM0JW107MY	J	100 6.3V Electrolytic	AC
C5592	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R5591	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R5592	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P5591	QPLGN0363TAZZY	J	Plug, 3pin(RC)	AC
RMC5591	RRMCU0239CEZZ	J	Remote Receiver	AG

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AC INLET UNIT

DIODES

Ref. No.	Part No.	★	Description	Code
D701	95KUBA0011AK	J	1SS133	AB
⚠ Z701	95KUER0002ZZ	J	Varistor,ENE471D-10A	AD

COILS

Ref. No.	Part No.	★	Description	Code
⚠ L701	95KUKZ1189ZZ	J	Core, TC25T-5025RT	AL
⚠ L702	95KUKZ1189ZZ	J	Core, TC25T-5025RT	AL

CAPACITORS

Ref. No.	Part No.	★	Description	Code
⚠ C701	95KUGFM224KR	J	0.22 275V Film	AD
⚠ C702	95KUGFM474KR	J	0.47 275V Film	AG
⚠ C766	95KUGFM224KR	J	0.22 275V Film	AD
⚠ C767	95KUGCM222BJ	J	2200p Ceramic	AD
⚠ C768	95KUGCM222BJ	J	2200p Ceramic	AD

RESISTORS

Ref. No.	Part No.	★	Description	Code
⚠ R701	95KUEFB680AY	J	1M 1/2W Metal Film	AD
⚠ R702	95KUEZ0817ZZ	J	3.9 2.4W FuseResistor	AG

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ F701	95KPJCTP1002	J	Fuse, 10A/250V 215010	AF
⚠ RL701	95KPHZ0205ZZ	J	Relay, DG12D1-0(M) II 0.25W	AL
CN701	95KPZZ1018ZZ	J	Connector, 3pin(Inlet) M1909-B	AP
CN702	95KPKZ1291ZZ	J	Connector, 3pin, 3-1123724-2	AD
CN703	95KPKZ1220ZZ	J	Connector, 2pin, B02B-XASK-1	AC
CN709	95KEDB7781ZZ	J	Lead, LC302-7505	AF
MD702	95KGZZ5491ZZ	J	Insulator, LC108-3002	AE
MT701	95KLRZ7027ZQ	J	Angle, LC302-5001	AF
SC701	95KRAA3060AZ	J	ScrewX2	AB
SC702	95KRAB3060AB	J	ScrewX2	AA
SC703	95KRAZ4141ZT	J	Screw	AC

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FAN UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC381	VHiTDA7056A-1	J	TDA7056A	AP
IC7201	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7202	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7203	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7204	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7205	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q7201	VS2SA1036KR-1Y	J	2SA1036KT146R	AC
Q7202	VS2SC3928AR-1Y	J	2SC3928AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D7201	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7202	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7203	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7204	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7205	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7206	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7207	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7208	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7209	VHDDAN202K/-1Y	J	DAN202KT146	AB

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C831	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AC
C382	VCEASM1CW107MY	J	100 16V Electrolytic	AD
C384	VCEASM1CW106MY	J	10 16V Electrolytic	AC
C385	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7201	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7202	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7203	VCEASM1CW107MY	J	100 16V Electrolytic	AD
C7204	VCEASM1CW476MY	J	47 16V Electrolytic	AC
C7205	VCEASM1CW476MY	J	47 16V Electrolytic	AC
C7206	VCEASM1CW476MY	J	47 16V Electrolytic	AC
C7207	VCEASM1CW476MY	J	47 16V Electrolytic	AC
C7208	VCEASM1CW476MY	J	47 16V Electrolytic	AC
C7209	VCEASM1CW226MY	J	22 16V Electrolytic	AC
C7210	VCE9PF1CW336MY	J	33 16V Elect. (N.P)	AD

RESISTORS

Ref. No.	Part No.	★	Description	Code
R381	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R382	VRS-TX2HF8R2JY	J	8.2 1/2W Metal Oxide	AB
R384	VRS-CY1JF681JY	J	680 1/16W Metal Oxide	AA
R7202	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7203	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R7204	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7206	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R7207	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7209	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7210	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R7211	VRS-CY1JF302FY	J	3k 1/16W Metal Oxide	AA
R7212	VRS-CY1JF104FY	J	100k 1/16W Metal Oxide	AA
R7215	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7216	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R7217	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7219	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R7220	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7222	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7223	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R7224	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R7225	VRS-CY1JF823FY	J	82k 1/16W Metal Oxide	AA
R7227	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7229	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7230	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R7231	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7232	VRS-CY1JF105FY	J	1M 1/16W Metal Oxide	AA
R7233	VRS-CY1JF183FY	J	18k 1/16W Metal Oxide	AA
R7234	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7235	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7236	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7237	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA

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FAN UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R7239	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7240	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7241	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7244	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7245	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7246	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7247	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R7248	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7249	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7250	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA
R7251	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R7252	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7255	VRS-CY1JF333FY	J	33k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB381	RBLN-A007WJZZY	J	Ferrite Bead	AC
FB7201	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7202	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7203	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7204	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7205	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7206	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7207	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7208	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7209	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7210	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7211	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7212	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7213	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7214	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7215	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7216	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7217	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7218	RBLN-0059CEZZY	J	Ferrite Bead	AB
P381	QPLGN0474TAZZY	J	Plug, 4-pin (SOO)	AD
P382	QPLGN0539FJZZY	J	Plug, 2-pin (SP)	AD
P7201	QPLGN1174TAZZY	J	Plug, 11-pin (EBO)	AE
P7202	QPLGN0363TAZZY	J	Plug, 3-pin (RT)	AC
P7203	QPLGN0263TAZZY	J	Plug, 2-pin (PT)	AB
P7204	QPLGN0458REZZY	J	Plug, 4-pin (FL)	AD
P7205	QPLGN0565FJZZY	J	Plug, 3-pin (FP)	AD
P7206	QPLGN0566FJZZY	J	Plug, 4-pin (FI)	AD
P7207	QPLGN0463TAZZY	J	Plug, 4-pin (FR)	AC
P7208	QPLGN0364TAZZY	J	Plug, 3-pin (FG)	AC
P7209	QPLGN0364TAZZY	J	Plug, 3-pin (FB)	AC
P7210	QPLGN0566FJZZY	J	Plug, 4-pin (FE)	AD

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POWER UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC701	95KUCB0237AZ	J	MIP290	AM
IC702	95KUCY0153AC	J	TL431	AD
IC703	95KUCY0136AZ	J	FA5501N	AL
IC705	95KUCB0120GZ	J	UPC78M12AHF	AF
IC706	95KUCY0135AZ	J	FA5511N	AK
IC707	95KUCY0153AC	J	TL431	AD
IC7701	95KUCY0149AK	J	FA7703V	AQ
IC7702	95KUAG0236AZ	J	SI4431ADY	AH
IC7703	95KUAG0236AZ	J	SI4431ADY	AH

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q701	95KUAG0234AZ	J	2SK3451	AL
Q703	95KUAG0234AZ	J	2SK3451	AL
Q705	95KUAG0146BZ	J	2SK2480	AK
Q708	95KUAY0013AM	J	2SC1623	AC
Q709	95KUAY0012AL	J	2SA812	AC
Q7701	95KUAY0013AM	J	2SC1623	AC
Q7702	95KUAD0132AK	J	2SD2150	AD
Q7703	95KUAY0136AK	J	2SB1424	AD
Q7704	95KUAD0132AK	J	2SD2150	AD
Q7705	95KUAY0136AK	J	2SB1424	AD

DIODES

Ref. No.	Part No.	★	Description	Code
D702	95KUBY0088AK	J	SC802-09	AE
D703	95KUBY0020AK	J	1SS355	AC
D704	95KUBB0266AZ	J	D25XB80	AN
D705	95KUEXDAJ000	J	RK73K2BTD000J	AB
D706	95KUEXDAJ000	J	RK73K2BTD000J	AB
D707	95KUBHAB600A	J	SF10L60U	AH
D708	95KUBY0020AK	J	1SS355	AC
D709	95KUBY0047AK	J	U05NU44	AE
D710	95KUBY0045AK	J	SC321-2	AD
D711	95KUBY0045AK	J	SC321-2	AD
D712	95KUBY0020AK	J	1SS355	AC
D714	95KUBA0039AZ	J	DAP202UT106	AC
D715	95KUBB0166BZ	J	Diode Stack, F10P20F	AH
D716	95KUBC0264BE	J	ERB32-02	AD
D717	95KUBHAD090A	J	FSH05A09B	AP
D718	95KUBC0125DK	J	ERA15-06	AB
D719	95KUBY0043AK	J	Diode Stack, S1NB60	AE
D723	95KUBC0163BK	J	11EQS04	AE
D724	95KUBC0207AK	J	ERB83-004	AF
D7701	95KUBY0068AZ	J	D1FM3	AD
D7702	95KUBY0068AZ	J	D1FM3	AD
ZD701	95KUBDAK8R2B	J	Zener Diode, RD8.2ES	AB
ZD702	95KUBXAD3R3C	J	Zener Diode, RD3.3S	AC
ZD703	95KUBXAD150A	J	Zener Diode, RD15S	AA
ZD704	95KUBXAD180C	J	Zener Diode, RD18S	AD
ZD705	95KUBXAD270A	J	Zener Diode, RD27S	AD
ZD706	95KUBXBL170A	J	Zener Diode, ST02D-170F2	AF
ZD707	95KUBXAD3R3C	J	Zener Diode, RD3.3S	AC
ZD708	95KUBXBK3R9C	J	Zener Diode, RD3.9S	AC
ZD709	95KUBXAD5R1C	J	Zener Diode, RD5.1S	AC
ZD710	95KUBXAD180C	J	Zener Diode, RD18S	AD
ZD712	95KUBDAY3R3B	J	Zener Diode, RD3.3E	AB
ZD713	95KUBDAY3R9C	J	Zener Diode, RD3.9E	AB

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ PC701	95KUDC0163BB	J	Photo Coupler, PC123	AH
⚠ PC703	95KUDC0163BB	J	Photo Coupler, PC123	AH
⚠ PC704	95KUDC0163BB	J	Photo Coupler, PC123	AH

COILS

Ref. No.	Part No.	★	Description	Code
L703	95KUKZ1188ZZ	J	Core, TN21-03451	AK
L705	95KUKZ0784ZZ	J	Choke Coil, PC8T-3R3M	AE
L7701	95KUKZ1142ZZ	J	Filter, PLFC1255P-150A	AC
L7702	95KUKZ1142ZZ	J	Filter, PLFC1255P-150A	AC

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POWER UNIT(Continued)

TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
⚠ T701	95K829205039	J	Transformer, STTX10	AH
T702	95KUKZ1187ZZ	J	Core, TSN27T-08101	AR
⚠ T703	95K829205038	J	Transformer, PTTX88	AM

CONTROL

Ref. No.	Part No.	★	Description	Code
VR701	95KUFBA224DB	J	Control, 220k EVN DJA A03 BE5(224)	AC

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C705	95KUGA0439ZZ	J	3.3 400V Electrolytic	AE
C706	95KUGDB680BN	J	150 6.3V Electrolytic	AD
C707	95KUGXGFD104	J	0.1 50V Ceramic	AB
C708	95KUGXGFD104	J	0.1 50V Ceramic	AB
C712	95KUGZ1336ZZ	J	2.2 450V Film	AM
C713	95KUGXGCF102	J	1000p 50V Ceramic	AB
C714	95KUGXAED474	J	0.47 25V Ceramic	AC
C715	95KUGXGCF103	J	0.01 50V Ceramic	AB
C716	95KUGXKEF224	J	0.22 25V Ceramic	AC
C717	95KUGXGCF103	J	0.01 50V Ceramic	AB
C718	95KUGXGFD333	J	0.033 25V Chip	AB
C719	95KUGXGCF102	J	1000p 50V Ceramic	AB
C720	95KUGA0441ZZ	J	39 35V Electrolytic	AD
C721	95KUGCU681BP	J	1000p 1kV Ceramic	AD
C722	95KUGDZ420BM	J	330 420V Electrolytic	AW
C723	95KUGCU471JR	J	1000p 1kV Ceramic	AC
C725	95KUGCU472BW	J	4700p 1kV Ceramic	AD
C726	95KUGA0441ZZ	J	39 35V Electrolytic	AD
C727	95KUGCV221JS	J	100p 2kV Ceramic	AC
C728	95KUGXGCF472	J	4700p 50V Ceramic	AB
C730	95KUGXGCF102	J	1000p 50V Ceramic	AB
C731	95KUGXAED224	J	0.22 25V Ceramic	AB
C732	95KUGXAED474	J	0.47 25V Ceramic	AC
C733	95KUGXGFD104	J	0.1 25V Ceramic	AB
C734	95KUGXGCF152	J	1500p 50V Ceramic	AB
C736	95KUGXKJT102	J	1000p 630V Ceramic	AC
C737	95KUGDD470AQ	J	470 25V Electrolytic	AE
C738	95KUGDD470AQ	J	470 25V Electrolytic	AE
C739	95KUGDD470AQ	J	470 25V Electrolytic	AE
C741	95KUGDD470AQ	J	470 25V Electrolytic	AE
C743	95KUGDC102AQ	J	1000 16V Electrolytic	AD
C744	95KUGXGFD104	J	0.1 25V Ceramic	AB
C745	95KUGA0249ZZ	J	100 10V Electrolytic	AC
C746	95KUGA0249ZZ	J	100 10V Electrolytic	AC
C747	95KUGA0437ZZ	J	68 25V Electrolytic	AD
⚠ C755	95KUGCZ472HF	J	4700p Ceramic	AD
C757	95KUGXGFD104	J	0.1 25V Ceramic	AB
⚠ C761	95KUGCZ472HF	J	4700p Ceramic	AD
C762	95KUGXKMS101	J	100p 500V Ceramic	AE
C763	95KUGXKMS101	J	100p 500V Ceramic	AE
C764	95KUGXKNC684	J	0.68 16V Ceramic	AB
C7701	95KUGXKKD106	J	10 25V Ceramic	AG
C7702	95KUGXKHB106	J	10 10V Ceramic	AD
C7703	95KUGXGCC104	J	0.1 16V Ceramic	AB
C7704	95KUGXGFD473	J	0.047 16V Ceramic	AB
C7705	95KUGXKHB105	J	1 16V Ceramic	AC
C7706	95KUGXGFD104	J	0.1 25V Ceramic	AB
C7707	95KUGXKHB106	J	10 10V Ceramic	AD
C7708	95KUGXGCC683	J	0.047 16V Ceramic	AB

RESISTORS

Ref. No.	Part No.	★	Description	Code
J701	95KUEXCAP000	J	Jumper	AB
J702	95KUEXCAP000	J	Jumper	AB
J7701	95KUEXBAF000	J	0 1/16W Chip	AB
J7702	95KUEXBAF000	J	0 1/16W Chip	AB
R703	95KUEXBAF221	J	220 1/16W Chip	AB
R704	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R705	95KUEYCH1002	J	100k 1/16W Chip	AB
R706	95KUEYCH1002	J	100k 1/16W Chip	AB
R708	95KUEYCH1201	J	12k 1/16W Chip	AB
R710	95KUEGGR15BL	J	0.15 5W Cement	AE
R711	95KUEXDAJ100	J	10 1/4W Chip	AB
R712	95KUEXDAJ100	J	10 1/4W Chip	AB
R713	95KUEYBD4703	J	470k 1/4W Chip	AB
R714	95KUEYBD4703	J	470k 1/4W Chip	AB
R715	95KUEYBD3903	J	390k 1/4W Chip	AB
R716	95KUEYBA1502	J	15k 1/16W Chip	AB
R717	95KUEYBD6803	J	680k 1/4W Chip	AB
R718	95KUEYBD5603	J	560k 1/4W Chip	AB
R719	95KUEYBD5603	J	560k 1/4W Chip	AB
R720	95KUEYBA1302	J	13k 1/16W Chip	AB
R721	95KUEXBAF181	J	180 1/16W Chip	AB
R722	95KUEXBAF223	J	22k 1/16W Chip	AB
R723	95KUEXBAF103	J	10k 1/16W Chip	AB
R724	95KUEXBAF681	J	680 1/16W Chip	AB
R725	95KUEXDAJ563	J	56k 1/4W Chip	AB
R726	95KUEXDAJ563	J	56k 1/4W Chip	AB
R727	95KUEXDAJ563	J	56k 1/4W Chip	AB
R728	95KUEXDAJ563	J	56k 1/4W Chip	AB
R729	95KUEXBAF103	J	10k 1/16W Chip	AB
R731	95KUEXBAF000	J	0 1/16W Chip	AB
R734	95KUEGGR15BL	J	0.15 5W Cement	AE
R735	95KUEFE154EG	J	150k 2W Metal Film	AC
R736	95KUEXDAJ563	J	56k 1/8W Chip	AB
R737	95KUEXDAJ563	J	56k 1/8W Chip	AB
R738	95KUEXDAJ563	J	56k 1/8W Chip	AB
R739	95KUEBCR47AG	J	0.47 1/2W FuseResistor	AD
R740	95KUEXJAPR22	J	0.22 1/2W Chip	AC
R741	95KUEBC3R3AG	J	3.3 1/2W FuseResistor	AD
R746	95KUEXDAJ000	J	0 1/4W Chip	AB
R747	95KUEXDAJ100	J	10 1/4W Chip	AB
R748	95KUEXDAJ151	J	150 1/4W Chip	AB
R749	95KUEYBA1000	J	100 1/16W Chip	AB
R750	95KUEYBA3300	J	330 1/16W Chip	AB
R751	95KUEXBAF472	J	4.7k 1/16W Chip	AB
R752	95KUEXBAF391	J	390 1/16W Chip	AB
R753	95KUEXBAF473	J	47k 1/16W Chip	AB
R754	95KUEXBAF822	J	8.2k 1/16W Chip	AB
R756	95KUEXBAF222	J	2.2k 1/16W Chip	AB
R757	95KUEXBAF000	J	0 1/16W Chip	AB
R758	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R759	95KUEYBG2202	J	22k 1/8W Chip	AB
R760	95KUEYBG4701	J	4.7k 1/4W Chip	AB
R761	95KUEXBAF122	J	1.2k 1/4W Chip	AB
R762	95KUEXBAF104	J	100k 1/16W Chip	AB
R765	95KUEXBAF152	J	1.5k 1/16W Chip	AB
R766	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R767	95KUEYCH2703	J	270k 1/16W Chip	AB
R768	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R772	95KUEXBAF103	J	10k 1/16W Chip	AB
R773	95KUEXBAF103	J	10k 1/16W Chip	AB
R774	95KUEXBAF103	J	10k 1/16W Chip	AB
R775	95KUEBCR10AG	J	1 1/2W FuseResistor	AE
R782	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R783	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R784	95KUEXDAJ563	J	56k 1/8W Chip	AB
R785	95KUEXDAJ153	J	15k 1/8W Chip	AB
R786	95KUEXBAF103	J	10k 1/16W Chip	AB
R787	95KUEXBAF122	J	1.2k 1/16W Chip	AB
R790	95KUEXBAF000	J	0 1/16W Chip	AB
R7701	95KUEXBAF123	J	12k 1/16W Chip	AB
R7702	95KUEXBAF123	J	12k 1/16W Chip	AB
R7703	95KUEXBAF682	J	6.8k 1/16W Chip	AB
R7704	95KUEXBAF153	J	15k 1/16W Chip	AB
R7705	95KUEXBAF102	J	1k 1/16W Chip	AB
R7706	95KUEYCH2701	J	2.7k 1/16W Chip	AB
R7707	95KUEYCH1201	J	1.2k 1/16W Chip	AB
R7708	95KUEXBAF123	J	12k 1/16W Chip	AB
R7709	95KUEXBAF102	J	1k 1/16W Chip	AB
R7710	95KUEYCH1501	J	1.5k 1/16W Chip	AB
R7711	95KUEYCH1001	J	1k 1/16W Chip	AB
R7712	95KUEXBAF103	J	10k 1/16W Chip	AB
R7713	95KUEXBAF682	J	6.8k 1/16W Chip	AB
R7714	95KUEXBAF103	J	10k 1/16W Chip	AB
R7715	95KUEXDAJ121	J	120 1/8W Chip	AB
R7716	95KUEXDAJ100	J	10 1/16W Chip	AB

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POWER UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R7717	95KUEXDAJ121	J	120 1/8W Chip	AB
R7718	95KUEXDAJ100	J	10 1/8W Chip	AB
R7719	95KUEYCH3300	J	330 1/16W Chip	AB
R7720	95KUEYCH2700	J	270 1/16W Chip	AB
R7723	95KUEXBAF000	J	0 1/16W Chip	AB
R7724	95KUEXBAF470	J	47 1/16W Chip	AB

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB703	95KBFZ90059Z	J	Ferrite Bead N2012ZPS121T50	AC
FB704	95KBFZ90059Z	J	Ferrite Bead N2012ZPS121T50	AC
FB706	95KBFZ90059Z	J	Ferrite Bead N2012ZPS121T50	AC
FB707	95KPZZ0602ZZ	J	Jumper, IPS-3002-2	AC
FB708	95KBFZ90059Z	J	Ferrite Bead N2012ZPS121T50	AC
FB709	95KBFZ90059Z	J	Ferrite Bead N2012ZPS121T50	AC
FB710	95KUKZ0984ZZ	J	Ferrite Bead FBA04HA900VB	AC
CN704	95KECB8091ZZ	J	Connector, 3pin LC302-7503	AP
CN705	95KECB8095ZZ	J	Connector, 5pin LC302-7501	AQ
CN706	95KPKZ1135ZZ	J	Connector, 3pin B 2P3-VH-BL	AD
CN707	95KECB8092ZZ	J	Connector, 2pin LC302-7504	AK
CN708	95KECB8094ZZ	J	Connector, 24pin, LC302-7502	AY
ET701	95KFBZ0098ZZ	J	Terminal, TM-12	AC
F703	95KPJT0185ZZ	J	Fuse, 136°C, P110A	AD
⚠ RL702	95KPHZ0206ZZ	J	Relay, DJ5D2-0(M) 0.25W	AM
MT702	95KLRZ7030ZR	J	Heat Sink, LC302-5004	AH
MT703	95KLRZ7028ZR	J	Heat Sink, LC302-5002	AL
SC704	95KRAZ3211ZB	J	Screw, x8	AA
SC705	95KRBA3024ZB	J	Nut, x2	AA

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PC I/F UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC8003	9DK001-11020	J	AT24C128N-10SC-1.8	AS
IC8004	9DK001-15115	J	PQ05VY3H3Z	AM
IC8005	RH-iXA816WJZZQ	J	LH28F640BFE-PBTL90	BC
IC8006	9DK001-15118	J	PST9229	AL
IC8007	RH-iXA147WJZZQ	J	HD6417709SBP133V	BK
IC8008	9DK001-15112	J	PQ033EZ01	AM
IC8010	9DK001-15117	J	PST9222	AK
IC8013	9DK001-15113	J	AD9888-170	BT
IC8015	9DK001-15119	J	SAA7118E	BM
IC8025	RH-iXA091WJZZQ	J	MB87M1370TB-G	BX
IC8028	9DK001-11028	J	HY57V641620HGT-H	AY
IC8029	RH-iX3399CEN1Q	J	IX3399	BM
IC8030	9DK001-11028	J	HY57V641620HGT-H	AY
IC8319	9DK001-11043	J	HY57V643220CT-7	AY
IC8320	9DK001-11043	J	HY57V643220CT-7	AY
IC8321	9DK001-11043	J	HY57V643220CT-7	AY
IC8322	9DK001-11043	J	HY57V643220CT-7	AY
IC8363	9DK001-12107	J	74VHC153MTC	AK
IC8364	9DK001-15114	J	PQ070XZ01	AN
IC8365	9DK001-12103	J	74LCX157MTC	AK
IC8366	9DK001-12105	J	74LVX125MTC	AK

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q8002	9DK001-20012	J	2SA1037AKQ	AE
Q8005	9DK001-20012	J	2SA1037AKQ	AE

DIODES

Ref. No.	Part No.	★	Description	Code
D8005	9DK001-30018	J	1SS187 (D3)	AD
D8009	9DK001-30018	J	1SS187 (D3)	AD
D8035	9DK001-30018	J	1SS187 (D3)	AD

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X8001	9DK001-80038	J	Crystal, 16.588MHz	AN
X8004	9DK001-80027	J	Crystal, 25.000MHz	AR
X8005	9DK001-80039	J	Crystal, 37.500MHz	AR
X8006	9DK001-80034	J	Crystal, 24.576MHz	AN
X8007	9DK001-80015	J	Crystal, 32.768kHz	AS

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL8003	9DK001-81020	J	Filter, BMK351	AG
FL8041	9DK001-81020	J	Filter, BMK351	AG
FL8094	9DK001-81020	J	Filter, BMK351	AG
FL8103	9DK001-81020	J	Filter, BMK351	AG
L8003	9DK001-81059	J	Coil, 1.0μH	AE
L8004	9DK001-81052	J	Coil, 3.3μH	AG
L8005	9DK001-81052	J	Coil, 3.3μH	AG
L8011	9DK001-81052	J	Coil, 3.3μH	AG
L8012	9DK001-81052	J	Coil, 3.3μH	AG
L8014	9DK001-81052	J	Coil, 3.3μH	AG
L8022	9DK001-81052	J	Coil, 3.3μH	AG

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C8003	9DK001-42157	J	0.1 25V Ceramic	AC
C8004	9DK001-42099	J	100p 50V Ceramic	AC
C8005	9DK001-42161	J	0.047 25V Ceramic	AB
C8007	9DK001-42156	J	1 10V Ceramic	AC
C8008	9DK001-42157	J	0.1 25V Ceramic	AC
C8009	9DK001-42157	J	0.1 25V Ceramic	AC
C8010	9DK001-42160	J	10 6.3V Ceramic	AB
C8012	9DK001-42103	J	15p 50V Ceramic	AC
C8013	9DK001-42103	J	15p 50V Ceramic	AC
C8014	9DK001-42156	J	1 10V Ceramic	AC
C8015	9DK001-42160	J	10 6.3V Ceramic	AB
C8016	9DK001-42157	J	0.1 25V Ceramic	AC
C8017	9DK001-42156	J	1 10V Ceramic	AC
C8018	9DK001-42163	J	1000P 25V Ceramic	AC
C8019	9DK001-42104	J	470p 50V Ceramic	AC
C8020	9DK001-42104	J	470p 50V Ceramic	AC
C8021	9DK001-40081	J	22 6.3V Electrolytic	AF

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PC I/F UNIT(Continued)

Ref. No.	Part No.	★	Description			Code
C8022	9DK001-42156	J	1	10V	Ceramic	AC
C8023	9DK001-42156	J	1	10V	Ceramic	AC
C8024	9DK001-42157	J	0.1	25V	Ceramic	AC
C8025	9DK001-42160	J	10	6.3V	Ceramic	AB
C8026	9DK001-42157	J	0.1	25V	Ceramic	AC
C8027	9DK001-42161	J	0.047	25V	Ceramic	AB
C8028	9DK001-42161	J	0.047	25V	Ceramic	AB
C8029	9DK001-42161	J	0.047	25V	Ceramic	AB
C8030	9DK001-42157	J	0.1	25V	Ceramic	AC
C8031	9DK001-42156	J	1	10V	Ceramic	AC
C8033	9DK001-42156	J	1	10V	Ceramic	AC
C8035	9DK001-40089	J	47	6.3V	Electrolytic	AE
C8038	9DK001-42161	J	0.047	25V	Ceramic	AB
C8039	9DK001-40089	J	47	6.3V	Electrolytic	AE
C8040	9DK001-42161	J	0.047	25V	Ceramic	AB
C8041	9DK001-42161	J	0.047	25V	Ceramic	AB
C8042	9DK001-40091	J	100	4V	Electrolytic	AF
C8043	9DK001-42161	J	0.047	25V	Ceramic	AB
C8044	9DK001-42161	J	0.047	25V	Ceramic	AB
C8045	9DK001-42161	J	0.047	25V	Ceramic	AB
C8046	9DK001-42103	J	15p	50V	Ceramic	AC
C8047	9DK001-42103	J	15p	50V	Ceramic	AC
C8048	9DK001-40081	J	22	6.3V	Electrolytic	AF
C8049	9DK001-42157	J	0.1	25V	Ceramic	AC
C8050	9DK001-40081	J	22	6.3V	Electrolytic	AF
C8051	9DK001-42156	J	1	10V	Ceramic	AC
C8052	9DK001-42157	J	0.1	25V	Ceramic	AC
C8053	9DK001-42157	J	0.1	25V	Ceramic	AC
C8054	9DK001-42157	J	0.1	25V	Ceramic	AC
C8055	9DK001-42157	J	0.1	25V	Ceramic	AC
C8056	9DK001-42157	J	0.1	25V	Ceramic	AC
C8057	9DK001-40091	J	100	4V	Electrolytic	AF
C8058	9DK001-42161	J	0.047	25V	Ceramic	AB
C8059	9DK001-42161	J	0.047	25V	Ceramic	AB
C8060	9DK001-42157	J	0.1	25V	Ceramic	AC
C8062	9DK001-42161	J	0.047	25V	Ceramic	AB
C8063	9DK001-42157	J	0.1	25V	Ceramic	AC
C8064	9DK001-42157	J	0.1	25V	Ceramic	AC
C8065	9DK001-42157	J	0.1	25V	Ceramic	AC
C8066	9DK001-40091	J	100	4V	Electrolytic	AF
C8069	9DK001-42096	J	0.01	50V	Ceramic	AC
C8070	9DK001-42161	J	0.047	25V	Ceramic	AB
C8071	9DK001-42096	J	0.01	50V	Ceramic	AC
C8072	9DK001-42157	J	0.1	25V	Ceramic	AC
C8073	9DK001-42157	J	0.1	25V	Ceramic	AC
C8074	9DK001-42157	J	0.1	25V	Ceramic	AC
C8075	9DK001-42157	J	0.1	25V	Ceramic	AC
C8076	9DK001-42157	J	0.1	25V	Ceramic	AC
C8077	9DK001-42157	J	0.1	25V	Ceramic	AC
C8078	9DK001-42161	J	0.047	25V	Ceramic	AB
C8082	9DK001-42162	J	0.33	10V	Ceramic	AB
C8083	9DK001-40081	J	22	6.3V	Electrolytic	AF
C8085	9DK001-42157	J	0.1	25V	Ceramic	AC
C8140	9DK001-42161	J	0.047	25V	Ceramic	AB
C8141	9DK001-42161	J	0.047	25V	Ceramic	AB
C8142	9DK001-42161	J	0.047	25V	Ceramic	AB
C8150	9DK001-42157	J	0.1	25V	Ceramic	AC
C8151	9DK001-42157	J	0.1	25V	Ceramic	AC
C8152	9DK001-42157	J	0.1	25V	Ceramic	AC
C8153	9DK001-42157	J	0.1	25V	Ceramic	AC
C8154	9DK001-42157	J	0.1	25V	Ceramic	AC
C8155	9DK001-42157	J	0.1	25V	Ceramic	AC
C8156	9DK001-42157	J	0.1	25V	Ceramic	AC
C8157	9DK001-42157	J	0.1	25V	Ceramic	AC
C8158	9DK001-42157	J	0.1	25V	Ceramic	AC
C8159	9DK001-42157	J	0.1	25V	Ceramic	AC
C8160	9DK001-42157	J	0.1	25V	Ceramic	AC
C8161	9DK001-42157	J	0.1	25V	Ceramic	AC
C8162	9DK001-42157	J	0.1	25V	Ceramic	AC
C8163	9DK001-42157	J	0.1	25V	Ceramic	AC
C8164	9DK001-42157	J	0.1	25V	Ceramic	AC
C8165	9DK001-42157	J	0.1	25V	Ceramic	AC
C8166	9DK001-42158	J	3900p	16V	Film	AL
C8167	9DK001-42159	J	0.039	16V	Film	AG
C8169	9DK001-42157	J	0.1	25V	Ceramic	AC
C8170	9DK001-42157	J	0.1	25V	Ceramic	AC
C8171	9DK001-42157	J	0.1	25V	Ceramic	AC
C8174	9DK001-42157	J	0.1	25V	Ceramic	AC
C8176	9DK001-42157	J	0.1	25V	Ceramic	AC
C8177	9DK001-42157	J	0.1	25V	Ceramic	AC
C8192	9DK001-42157	J	0.1	25V	Ceramic	AC
C8197	9DK001-42157	J	0.1	25V	Ceramic	AC
C8205	9DK001-42157	J	0.1	25V	Ceramic	AC
C8214	9DK001-42157	J	0.1	25V	Ceramic	AC
C8218	9DK001-42157	J	0.1	25V	Ceramic	AC
C8352	9DK001-42161	J	0.047	25V	Ceramic	AB
C8353	9DK001-42161	J	0.047	25V	Ceramic	AB
C8355	9DK001-42161	J	0.047	25V	Ceramic	AB
C8356	9DK001-42161	J	0.047	25V	Ceramic	AB
C8358	9DK001-42161	J	0.047	25V	Ceramic	AB
C8359	9DK001-42161	J	0.047	25V	Ceramic	AB
C8360	9DK001-42161	J	0.047	25V	Ceramic	AB
C8366	9DK001-40091	J	100	4V	Electrolytic	AF
C8375	9DK001-40091	J	100	4V	Electrolytic	AF
C8575	9DK001-42157	J	0.1	25V	Ceramic	AC
C8576	9DK001-42156	J	1	10V	Ceramic	AC
C8577	9DK001-42156	J	1	10V	Ceramic	AC
C8578	9DK001-42156	J	1	10V	Ceramic	AC
C8579	9DK001-42156	J	1	10V	Ceramic	AC
C8580	9DK001-42157	J	0.1	25V	Ceramic	AC
C8581	9DK001-42156	J	1	10V	Ceramic	AC
C8582	9DK001-42156	J	1	10V	Ceramic	AC
C8583	9DK001-42156	J	1	10V	Ceramic	AC
C8584	9DK001-42157	J	0.1	25V	Ceramic	AC
C8585	9DK001-42157	J	0.1	25V	Ceramic	AC
C8586	9DK001-42156	J	1	10V	Ceramic	AC
C8589	9DK001-42156	J	1	10V	Ceramic	AC
C8590	9DK001-42156	J	1	10V	Ceramic	AC
C8591	9DK001-42156	J	1	10V	Ceramic	AC
C8592	9DK001-42156	J	1	10V	Ceramic	AC
C8593	9DK001-42156	J	1	10V	Ceramic	AC
C8594	9DK001-42157	J	0.1	25V	Ceramic	AC
C8595	9DK001-42157	J	0.1	25V	Ceramic	AC
C8596	9DK001-42156	J	1	10V	Ceramic	AC
C8597	9DK001-42157	J	0.1	25V	Ceramic	AC
C8598	9DK001-42156	J	1	10V	Ceramic	AC
C8599	9DK001-42156	J	1	10V	Ceramic	AC
C8600	9DK001-42157	J	0.1	25V	Ceramic	AC
C8601	9DK001-42157	J	0.1	25V	Ceramic	AC
C8602	9DK001-40091	J	100	4V	Electrolytic	AF
C8603	9DK001-42157	J	0.1	25V	Ceramic	AC
C8607	9DK001-42157	J	0.1	25V	Ceramic	AC
C8609	9DK001-42157	J	0.1	25V	Ceramic	AC
C8611	9DK001-42157	J	0.1	25V	Ceramic	AC
C8613	9DK001-42157	J	0.1	25V	Ceramic	AC
C8615	9DK001-42157	J	0.1	25V	Ceramic	AC
C8617	9DK001-42157	J	0.1	25V	Ceramic	AC
C8619	9DK001-42157	J	0.1	25V	Ceramic	AC
C8621	9DK001-42157	J	0.1	25V	Ceramic	AC
C8623	9DK001-42157	J	0.1	25V	Ceramic	AC
C8625	9DK001-42157	J	0.1	25V	Ceramic	AC
C8627	9DK001-42157	J	0.1	25V	Ceramic	AC
C8629	9DK001-42157	J	0.1	25V	Ceramic	AC
C8631	9DK001-42157	J	0.1	25V	Ceramic	AC
C8633	9DK001-42157	J	0.1	25V	Ceramic	AC
C8633	9DK001-42157	J	0.1	25V	Ceramic	AC
C8635	9DK001-42157	J	0.1	25V	Ceramic	AC
C8638	9DK001-42157	J	0.1	25V	Ceramic	AC
C8640	9DK001-42157	J	0.1	25V	Ceramic	AC
C8641	9DK001-42157	J	0.1	25V	Ceramic	AC
C8648	9DK001-42157	J	0.1	25V	Ceramic	AC
C8649	9DK001-42157	J	0.1	25V	Ceramic	AC
C8656	9DK001-42157	J	0.1	25V	Ceramic	AC
C8658	9DK001-42157	J	0.1	25V	Ceramic	AC
C8662	9DK001-42157	J	0.1	25V	Ceramic	AC
C8666	9DK001-42096	J	0.01	50V	Ceramic	AC

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PC I/F UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
C8668	9DK001-42157	J	0.1 25V Ceramic	AC
C8670	9DK001-42157	J	0.1 25V Ceramic	AC
C8672	9DK001-42157	J	0.1 25V Ceramic	AC
C8678	9DK001-42157	J	0.1 25V Ceramic	AC
C8682	9DK001-42157	J	0.1 25V Ceramic	AC
C8685	9DK001-42157	J	0.1 25V Ceramic	AC
C8686	9DK001-42157	J	0.1 25V Ceramic	AC
C8687	9DK001-42157	J	0.1 25V Ceramic	AC
C8688	9DK001-42157	J	0.1 25V Ceramic	AC
C8689	9DK001-42157	J	0.1 25V Ceramic	AC
C8697	9DK001-42157	J	0.1 25V Ceramic	AC
C8708	9DK001-40090	J	47 4V Electrolytic	AF
C8759	9DK001-42157	J	0.1 25V Ceramic	AC
C8901	9DK001-42157	J	0.1 25V Ceramic	AC
C8902	9DK001-42156	J	1 10V Ceramic	AC
C8904	9DK001-42157	J	0.1 25V Ceramic	AC
C8905	9DK001-42157	J	0.1 25V Ceramic	AC
C8906	9DK001-42157	J	0.1 25V Ceramic	AC
C8909	9DK001-42156	J	1 10V Ceramic	AC
C8910	9DK001-42157	J	0.1 25V Ceramic	AC
C8911	9DK001-42156	J	1 10V Ceramic	AC
C8912	9DK001-42156	J	1 10V Ceramic	AC
C8913	9DK001-42156	J	1 10V Ceramic	AC
C8914	9DK001-42156	J	1 10V Ceramic	AC
C8915	9DK001-42157	J	0.1 25V Ceramic	AC
C8916	9DK001-42115	J	10p 50V Ceramic	AC
C8917	9DK001-42156	J	1 10V Ceramic	AC
C8918	9DK001-42157	J	0.1 25V Ceramic	AC
C8919	9DK001-40110	J	68 4V Electrolytic	AM
C8920	9DK001-42115	J	10p 50V Ceramic	AC
C8921	9DK001-40091	J	100 4V Electrolytic	AF
C8922	9DK001-42162	J	0.33 10V Ceramic	AB
C8923	9DK001-42157	J	0.1 25V Ceramic	AC
C8924	9DK001-42157	J	0.1 25V Ceramic	AC
C8925	9DK001-42160	J	10 6.3V Ceramic	AB
C8927	9DK001-40091	J	100 4V Electrolytic	AF
C8928	9DK001-40091	J	100 4V Electrolytic	AF
C8930	9DK001-42157	J	0.1 25V Ceramic	AC
C8931	9DK001-42161	J	0.047 25V Ceramic	AB
C8932	9DK001-42156	J	1 10V Ceramic	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R8001	9DK001-51030	J	10k 1/16W Chip	AD
R8002	9DK001-50149	J	0 1/16W Chip1608	AB
R8003	9DK001-50179	J	2.2k 1/16W Chip 1608	AA
R8004	9DK001-50149	J	0 1/16W Chip1608	AB
R8008	9DK001-51030	J	10k 1/16W Chip	AD
R8011	9DK001-51045	J	100 1/16W Chip	AB
R8017	9DK001-50183	J	4.7k 1/16W Chip 1608	AA
R8018	9DK001-50186	J	22k 1/16W Chip 1608	AA
R8022	9DK001-51030	J	10k 1/16W Chip	AD
R8025	9DK001-51030	J	10k 1/16W Chip	AD
R8026	9DK001-51037	J	6.8k 1/16W Chip	AD
R8028	9DK001-50149	J	0 1/16W Chip1608	AB
R8029	9DK001-50275	J	6.8 1/10W Chip 2125	AB
R8032	9DK001-50150	J	10 1/16W Chip 1608	AA
R8035	9DK001-50149	J	0 1/16W Chip1608	AB
R8036	9DK001-50177	J	1k 1/16W Chip 1608	AA
R8037	9DK001-50159	J	22 1/16W Chip 1608	AA
R8038	9DK001-50150	J	10 1/16W Chip 1608	AA
R8039	9DK001-50150	J	10 1/16W Chip 1608	AA
R8040	9DK001-50044	J	68 1/10W Chip 2125	AB
R8041	9DK001-50275	J	6.8 1/10W Chip 2125	AB
R8042	9DK001-50159	J	22 1/16W Chip 1608	AA
R8045	9DK001-50044	J	68 1/10W Chip 2125	AB
R8046	9DK001-50275	J	6.8 1/10W Chip 2125	AB
R8047	9DK001-50159	J	22 1/16W Chip 1608	AA
R8048	9DK001-50044	J	68 1/10W Chip 2125	AB
R8054	9DK001-50149	J	0 1/16W Chip1608	AB
R8063	9DK001-50236	J	910 1/16W Chip1608	AB
R8064	9DK001-50213	J	2k 1/16W Chip1608	AB
R8067	9DK001-51037	J	6.8k 1/16W Chip	AD
R8069	9DK001-50149	J	0 1/16W Chip1608	AB
R8073	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8074	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8075	9DK001-50159	J	22 1/16W Chip 1608	AA
R8080	9DK001-50044	J	68 1/10W Chip 2125	AB
R8083	9DK001-50159	J	22 1/16W Chip 1608	AA
R8088	9DK001-50044	J	68 1/10W Chip 2125	AB
R8091	9DK001-50159	J	22 1/16W Chip 1608	AA
R8096	9DK001-50044	J	68 1/10W Chip 2125	AB
R8097	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8104	9DK001-50149	J	0 1/16W Chip1608	AB
R8107	9DK001-50149	J	0 1/16W Chip1608	AB
R8109	9DK001-51037	J	6.8k 1/16W Chip	AD
R8110	9DK001-51037	J	6.8k 1/16W Chip	AD
R8114	9DK001-50303	J	39 1/10W Chip 2125	AA
R8117	9DK001-50298	J	120 1/4W Chip 3216	AB
R8121	9DK001-50320	J	3.9 1/4W Chip 3216	AA
R8122	9DK001-50320	J	3.9 1/4W Chip 3216	AA
R8134	9DK001-50149	J	0 1/16W Chip1608	AB
R8138	9DK001-50177	J	1k 1/16W Chip 1608	AA
R8139	9DK001-50177	J	1k 1/16W Chip 1608	AA
R8140	9DK001-50177	J	1k 1/16W Chip 1608	AA
R8143	9DK001-50177	J	1k 1/16W Chip 1608	AA
R8157	9DK001-50159	J	22 1/16W Chip 1608	AA
R8161	9DK001-50149	J	0 1/16W Chip1608	AB
R8162	9DK001-50183	J	4.7k 1/16W Chip 1608	AA
R8165	9DK001-50181	J	3.3k 1/16W Chip 1608	AA
R8166	9DK001-50149	J	0 1/16W Chip1608	AB
R8170	9DK001-50149	J	0 1/16W Chip1608	AB
R8172	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8174	9DK001-50149	J	0 1/16W Chip1608	AB
R8176	9DK001-50224	J	150 1/4W Chip 3216	AB
R8178	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8180	9DK001-50149	J	0 1/16W Chip1608	AB
R8201	9DK001-50149	J	0 1/16W Chip1608	AB
R8202	9DK001-50110	J	0 1/10W Chip2125	AB
R8298	9DK001-50110	J	0 1/10W Chip2125	AB
R8299	9DK001-50110	J	0 1/10W Chip2125	AB
R8310	9DK001-50110	J	0 1/10W Chip2125	AB
R8314	9DK001-50110	J	0 1/10W Chip2125	AB
R8500	9DK001-50149	J	0 1/16W Chip1608	AB
R8502	9DK001-50121	J	10 1/10W Chip 2125	AB
R8503	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8509	9DK001-50149	J	0 1/16W Chip1608	AB
R8511	9DK001-50149	J	0 1/16W Chip1608	AB
R8512	9DK001-50149	J	0 1/16W Chip1608	AB
R8513	9DK001-50149	J	0 1/16W Chip1608	AB
R8521	9DK001-51030	J	10k 1/16W Chip	AD
R8552	9DK001-50161	J	47 1/16W Chip 1608	AA
R8654	9DK001-50204	J	150 1/16W Chip 1608	AA
R8688	9DK001-50149	J	0 1/16W Chip1608	AB
R8690	9DK001-50173	J	470 1/16W Chip 1608	AA
R8692	9DK001-50149	J	0 1/16W Chip1608	AB
R8693	9DK001-50149	J	0 1/16W Chip1608	AB
R8694	9DK001-50149	J	0 1/16W Chip1608	AB
R8695	9DK001-50149	J	0 1/16W Chip1608	AB
R8696	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8697	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8698	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8699	9DK001-50185	J	10k 1/16W Chip 1608	AA
R8700	9DK001-50218	J	20k 1/16W Chip 1608	AA
R8701	9DK001-50257	J	75 1/16W Chip 1608	AA
R8800	9DK001-50149	J	0 1/16W Chip1608	AB
R8801	9DK001-50205	J	1.8k 1/16W Chip 1608	AA
R8867	9DK001-50275	J	6.8 1/10W Chip 2125	AB
R8868	9DK001-50275	J	6.8 1/10W Chip 2125	AB
R8869	9DK001-50275	J	6.8 1/10W Chip 2125	AB
R8977	9DK001-50165	J	100 1/16W Chip 1608	AA
R8994	9DK001-50236	J	910 1/16W Chip1608	AB
R8995	9DK001-50199	J	2.15k1/16W Chip1608	AB
R8996	9DK001-50149	J	0 1/16W Chip1608	AB
R8997	9DK001-50149	J	0 1/16W Chip1608	AB
R8998	9DK001-50177	J	1k 1/16W Chip 1608	AA
R8999	9DK001-50303	J	39 1/10W Chip 2125	AA

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PC I/F UNIT(Continued)

SWITCH

Ref. No.	Part No.	★	Description	Code
SW8001	9DK001-70012	J	Slide Switch, SSSS811101	AL

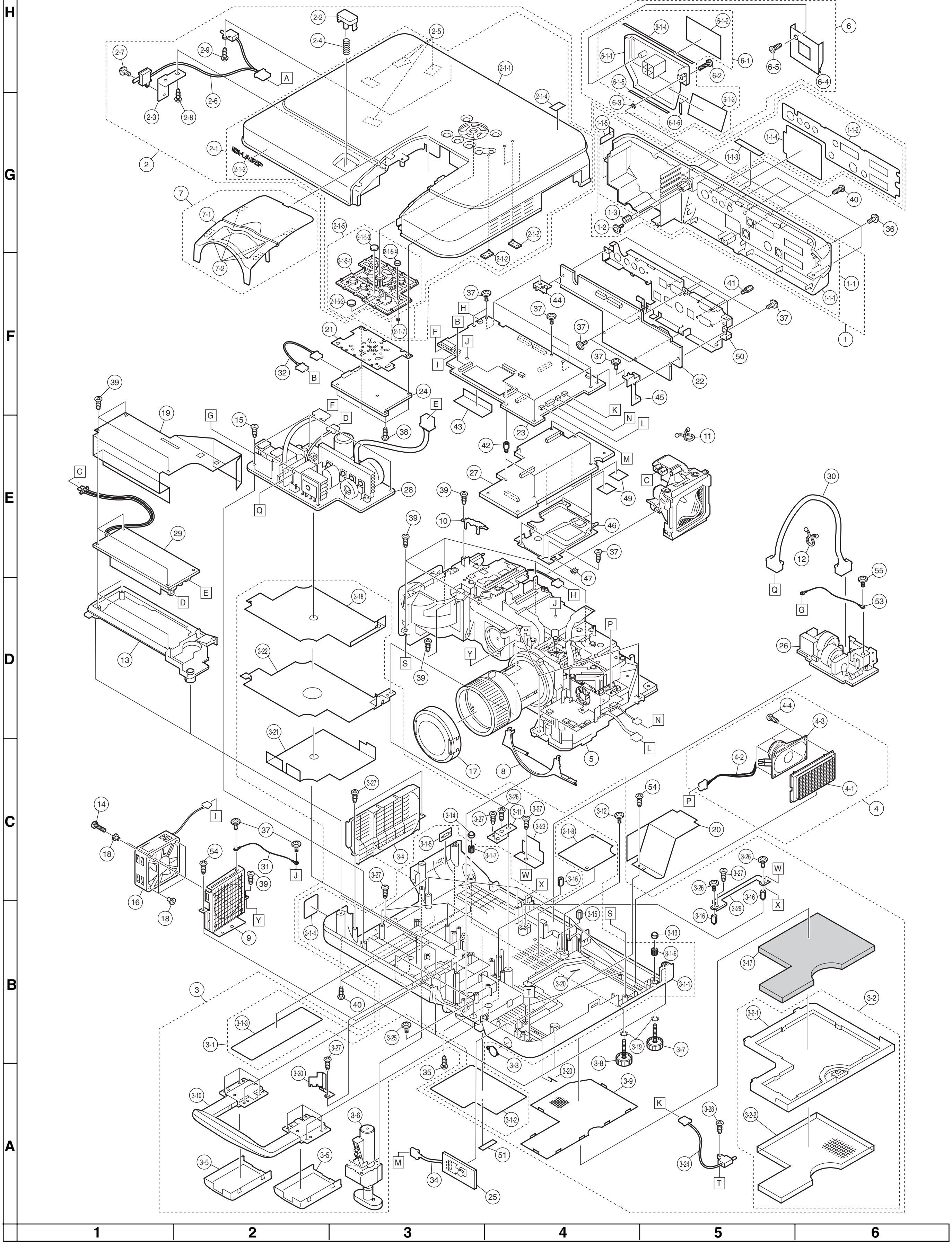
MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB8006	9DK001-81062	J	Ferrite Bead, BLM21P221SG	AE
FB8013	9DK001-81062	J	Ferrite Bead, BLM21P221SG	AE
FB8015	9DK001-81062	J	Ferrite Bead, BLM21P221SG	AE
SC8001	9DK001-60078	J	Connector, 82pin	AQ
SC8002	9DK001-60078	J	Connector, 82pin	AQ
CASE8001	PSLDMA008WJFW	J	Shield Case	AK
HOLD8001	LHLDW1021GE00	J	Wire Holde	AB
SHEET8001	PSPAZA061WJZZ	J	Sheet	AD
SHEET8002	PSPAZA061WJZZ	J	Sheet	AD
SHEET8003	PSPAGA134WJZZ	J	Sheet	
SHEET8004	PSPAGA134WJZZ	J	Sheet	
LABEL8001	9DK001-97078	J	Serial No. Label	AD
	NSFTZA001WJFW	J	Shaft, x2	AD

CABINET AND MECHANICAL PARTS

Ref. No.	Part No.	★	Description	Code
1	*Not Available*	–	Rear Body Unit Ass'y	—
1-1	DBDYRA005WJ01	J	Rear Body Ass'y	AY
1-1-1	*Not Available*	–	Rear Body	—
1-1-2	HiNDPA506WJSA	J	Terminal Indication Panel	AH
1-1-3	HiNDPA085WJZZ	J	Earth Label	AD
1-1-4	HiNDPA516WJZZ	J	Lamp Replacement Label	AE
1-1-5	PSPAKA008WJ00	J	Spacer, x2	AD
1-2	LX-HZ3106CEFD	J	Screw, x1	AB
1-3	LX-NZ3173CEFW	J	Insert Nut, x1	AD
2	*Not Available*	–	Top Body Unit Ass'y	—
2-1	DBDYTA036WJ01	J	Top Body Ass'y	BG
2-1-1	*Not Available*	–	Top Body	—
2-1-2	GCOVAA032WJKA	J	LED Cover, X2	BB
2-1-3	*Not Available*	–	"SHARP" Badge	—
2-1-4	HiNDPA057WJSA	J	"IQ" Label	AF
2-1-5	DBTN-A013WJ01	J	Operation Button Ass'y	AX
2-1-5-1	*Not Available*	–	Operation Button	—
2-1-5-2	HDECQA025WJKA	J	Decoration Button-A	AH
2-1-5-3	HDECQA026WJKA	J	Decoration Button-B	AH
2-1-5-4	HDECQA027WJKA	J	Decoration Button-C	AH
2-1-7	PSPAZA106WJZZ	J	Spacer, x4	AA
2-2	JBTN-A014WJKA	J	Height Adjust Button	AE
2-3	LANGKA006WJFW	J	Fixing Angle	AD
2-4	MSPRCA001WJFW	J	Spring, for Height Adjust Button	AB
2-5	PSPAT0013CEZZ	J	Tape, x4	AC
2-6	QCNW-A492WJZZ	J	Leaf Switch	AH
2-7	XBPSF26P06000	J	Screw, x1	AA
2-8	XEBSD30P08000	J	Screw, x1	AA
2-9	XEPSD26P08000	J	Screw, x1	AA
3	*Not Available*	–	Bottom Body Unit Ass'y	—
3-1	DBDYUA003WJ12	J	Bottom Body Ass'y	BC
3-1-1	*Not Available*	–	Bottom Body	—
3-1-2	HiNDPA505WJSA	J	Model Label	AL
3-1-3	HiNDPA292WJSA	J	FCC Label	AL
3-1-4	HiNDPA114WJSB	J	Hot Caution Label	AD
3-1-5	*Not Available*	–	Kensington Standard Security Connector	—
3-1-6	LX-NZ3120CEFW	J	Insert Nut(R)	AB
3-1-7	LX-NZ3122CEFW	J	Insert Nut(L)	AC
3-1-8	PFiLDA003WJZZ	J	PBS Filter	AG
3-2	DCOVAA029WJ01	J	Bottom Filter Cover Ass'y	AR
3-2-1	*Not Available*	–	Bottom Filter Cover	—
3-2-2	HPNC-A002WJSA	J	Intake Punching Cover	AL
3-3	GCOVA1824CESA	J	R/C Cover	AD
3-4	GCOVAA030WJKA	J	Exhaust Panel	AM
3-5	GCOVAA038WJKA	J	Handle Cover, x2	AF
3-6	GLEGPA003WJKA	J	Adjuster Foot(Front)	AW
3-7	GLEGPA004WJKA	J	Adjuster Foot(Rear, Right)	AH
3-8	GLEGPA005WJKA	J	Adjuster Foot(Rear, Left)	AH
3-9	HPNC-A001WJSA	J	Punching Cover	AL
3-10	JHNDAA003WJZZ	J	Carrying Handle	BA
3-11	LANGKA040WJFW	J	Anti-Theft Angle	AD
3-12	LX-HZ3105CEFD	J	Screw, for Insert Nut, x1	AB
3-13	LX-NZ3095CEFD	J	Nut Screw(R)	AA
3-14	LX-NZ3123CEFE	J	Nut Screw(L)	AD
3-15	LX-NZ3173CEFW	J	Insert Nut, x1	AD
3-16	LX-NZA003WJFW	J	Nut, x3	AD
3-17	PFiLDA002WJZZ	J	Filter	AE
3-18	PSLDMA074WJZZ	J	Shield	AK
3-19	PSPAH0648CE00	J	Spacer, x2	AB
3-20	PSPAT0013CEZZ	J	Tape, x2	AC
3-21	PZETKA013WJZZ	J	Shield Spacer, x1	AG
3-22	PZETKA014WJZZ	J	Shield Spacer, x1	AH
3-23	PZETKA015WJZZ	J	Shield Spacer, x1	AD
3-24	QCNW-A493WJZZ	J	Leaf Switch	AF
3-25	XBPSD30P08JS0	J	Screw, x8	AA
3-26	XBPSD40P05J00	J	Screw, x3	AA

CABINET AND MECHANICAL PARTS/ GEHÄUSE UND MECHANISCHE BAUTEILE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CABINET AND MECHANICAL PARTS
(Continued)

Ref. No.	Part No.	★	Description	Code
3-27	XEBSD30P12000	J	Screw, x7	AA
3-28	XEPSD26P08000	J	Screw, x1	AA
3-29	LANGKA075WJFW	J	Angle	AG
3-30	PGiDJA001WJKZ	J	Ventilation Guide	AE
4	*Not Available*	–	Speaker Net Unit Ass'y	—
4-1	DBFL-A001WJ01	J	Speaker Net Ass'y	AH
4-2	QCNW-5062CEZZ	J	Connection Cord(SP)	AE
4-3	VSP7040PB568A	J	Speaker	AL
4-4	XEBSD30P08000	J	Screw, x4	AA
5	Refer to Optical Mechanism parts			
6	*Not Available*	–	Lamp Door Unit Ass'y	—
6-1	DDORRA001WJ02	J	Lamp Door Ass'y	AP
6-1-1	*Not Available*	–	Lamp Door	—
6-1-2	HiNDPA514WJZZ	J	Caution Label	AF
6-1-3	HiNDPA515WJZZ	J	Caution Label	AE
6-1-4	PSPAHA070WJ00	J	Spacer	AB
6-1-5	PSPAHA071WJ00	J	Spacer	AB
6-1-6	PSPAHA072WJ00	J	Spacer	AA
6-2	LX-BZ3366CEFN	J	Screw, x1	AD
6-3	XRESJ30-06000	J	E-ring, x1	AA
6-4	PSLDPA014WJFW	J	Heat Sink, Door, x1	AE
6-5	XEBSD30P08000	J	Screw, x1	AA
7	CCOVAA027WJ01	J	Lens Cover(Upper) Ass’y	AQ
7-1	*Not Available*	–	Les Cover (Upper)	—
7-2	PSPAHA084WJZZ	J	Spacer, x4	AA
8	GCOVAA028WJKA	J	Lens Cover(Lower)	AH
9	HPNC-A003WJFW	J	Cooling Fan Attaching Angle	AP
10	LANGTA007WJFW	J	AC Socket Attaching Angle	AD
11	LHLDW1003GEZZ	J	Wire Holer, x1	AA
12	LHLDW1060CEZZ	J	Wire Holer, x1	AB
13	LHLDZA009WJKZ	J	PWB Holder	BB
14	LX-BZA020WJZZ	J	Screw, x2	AC
15	LX-HZA007WJFD	J	Screw, x4	AB
16	NFANRA022WJZZ	J	Cooling Fan	
17	PCAPHA003WJSA	J	Lens Cap	AH
18	PSPAGA036WJZZ	J	Fan Spacer, x6	AD
19	PZETKA045WJZZ	J	Shield, for Ballast Unit	
20	PZETKA005WJ00	J	Shield, for Output Unit	AP
21	PZETZA004WJKZ	J	Insulating Sheet	AD
22	DUNTKB170DE04	–	Input Unit	—
23	DUNTKB929FE01	–	Output Unit	—
24	DUNTKB602DE01	–	Key Unit	—
25	DUNTKB603DE01	–	R/C Receiver Unit	—
26	RUNTKA058WJZZ	–	AC Inlet Unit	—
27	CPCi-A002CE30	J	PC I/F Unit	CS
28	RDENCA044WJZZ	–	Power Unit	—
29	RDENCA045WJZZ	J	Ballast Unit	BZ
30	QCNW-A491WJZZ	J	Bi-Metal	AM
31	QCNW-A774WJZZ	J	Connecting Cord (FG)	AD
32	QCNW-A936WJZZ	J	Connecting Cord (KY)	AC
34	QCNW-A495WJZZ	J	Connecting Cord (RC)	AD
35	XBBSD40P12000	J	Screw, x1	AB
36	XBBSF30P10000	J	Screw, x4	AA
37	XBPSD30P06R00	J	Screw, x13	AB
38	XEBSD30P08000	J	Screw, x5	AA
39	XEBSD30P12000	J	Screw, x13	AA
40	XEBSF30P12000	J	Screw, x10	AA
41	NSFTZ0134CEFW	J	Shaft Screw, x6	AD
42	NSFTZA001WJFW	J	Shaft Screw, x4	AD
43	GCOVHA014WJKZ	J	Shading Cover	AD
44	LANGTA005WJFW	J	Attaching Angle, x2	AE
45	LANGTA006WJFW	J	Attaching Angle, x1	AG
46	PSLDMA008WJFW	J	Shield	AK
47	LHLDW1021GE00	J	Wire Holder, x1	AB
49	PSPAZA061WJZZ	J	Spacer, x2	AD
50	PSLDMA009WJFW	J	Terminal Shield	AH
51	*Not Available*	–	Serial No. Label	—
53	95KEDB7781ZZ	J	Connecting Cord	AF
54	XJPSF30P08000	J	Screw, x2	AA
55	95KRAZ4141ZT	J	Screw, x1	AC

OPTICS MECHANISM PARTS-1/2
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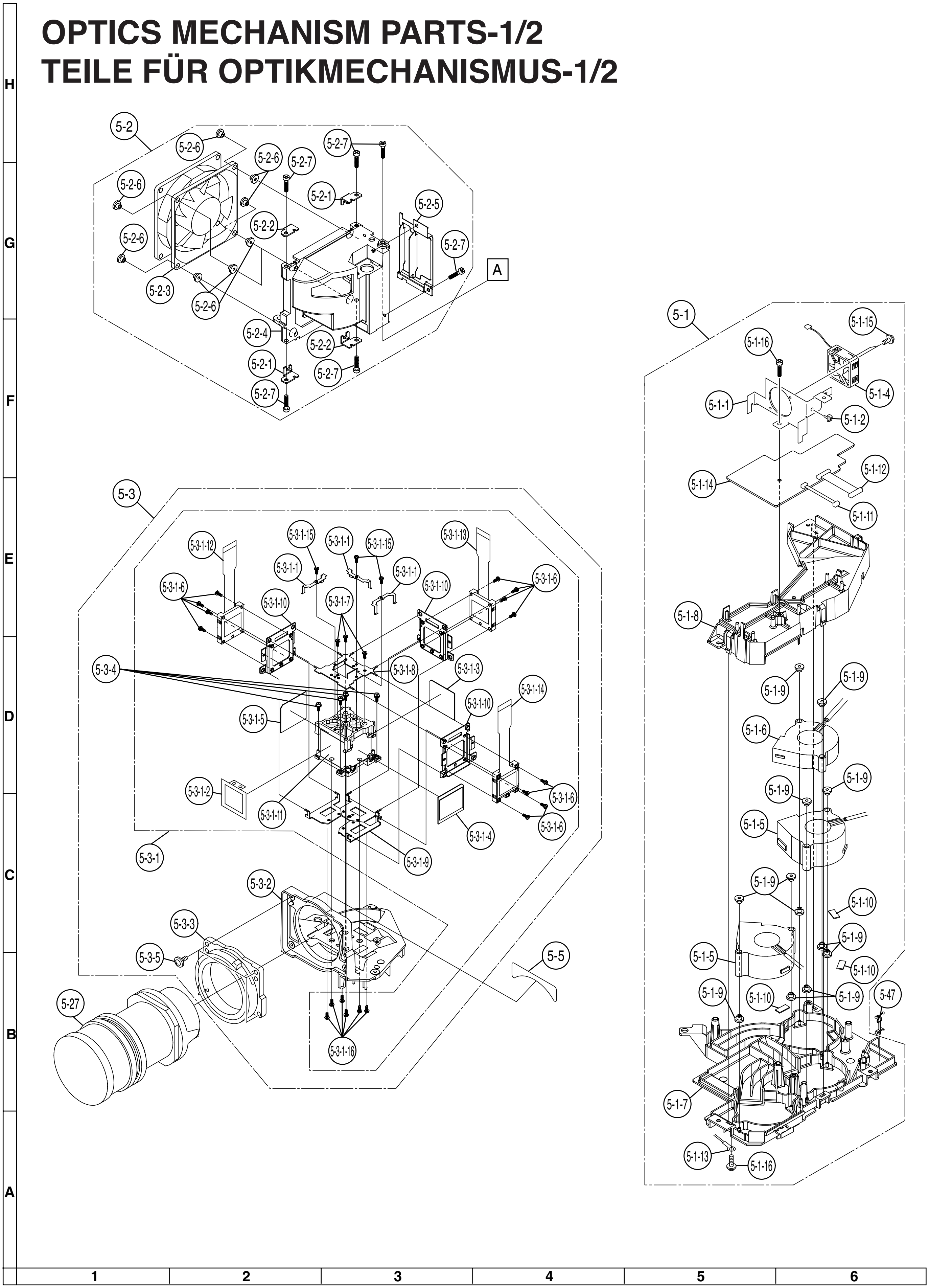
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OPTICS MECHANISM PARTS-2/2
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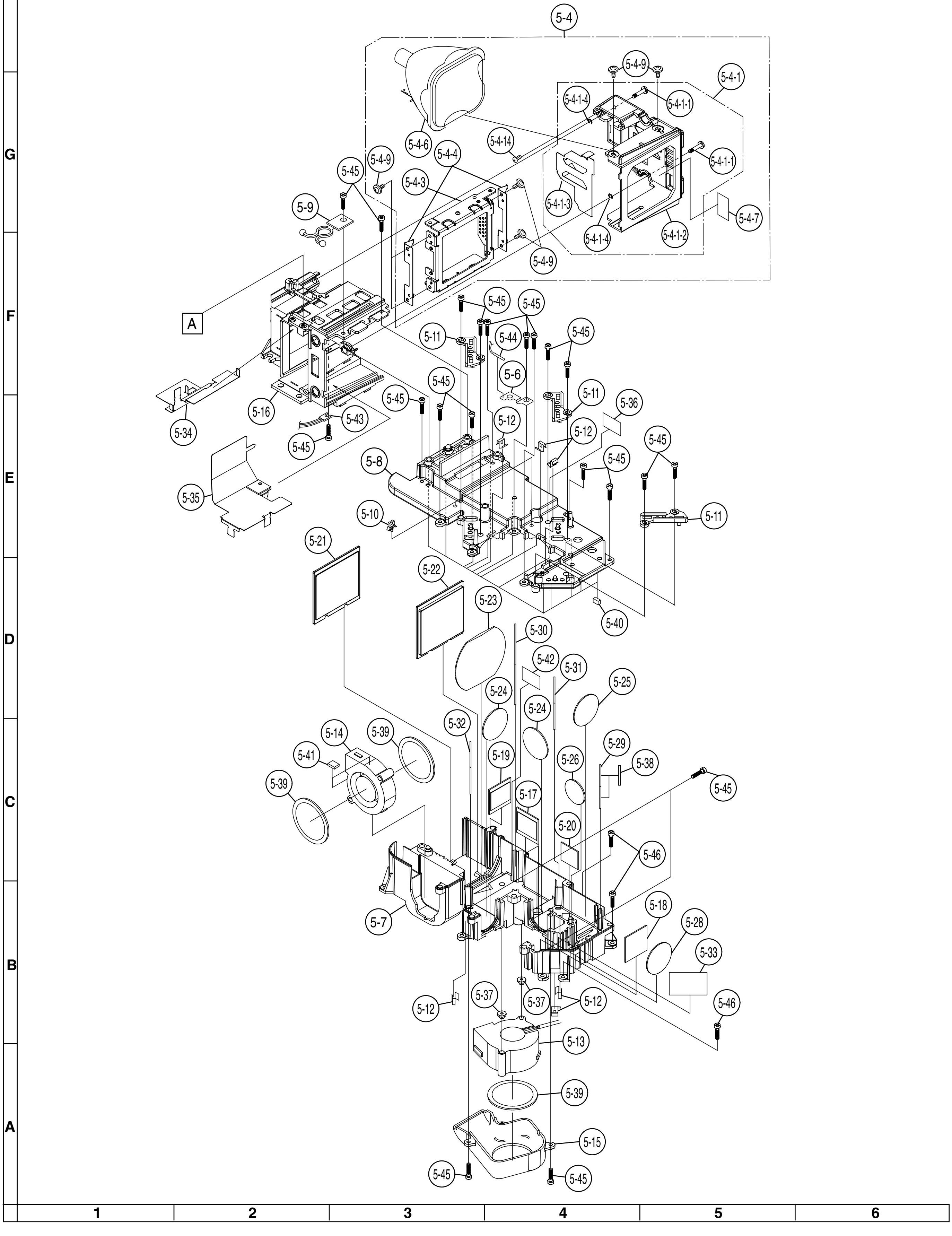
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OPTICAL MECHANISM PARTS

Ref. No.	Part No.	★	Description	Code
5	CCHSKA001WJ51	J	Optical Mechanism Unit	EW
5-1	*Not Available*	-	Intake Duct Ass'y	—
5-1-1	LANGKA116WJFW	J	IC Fan Angle	AG
5-1-2	LHLDW1037CEZZ	J	Wire Holder, x1	AA
5-1-3	LHLDW1182CEZZ	J	Cable Clamp, x1	AC
5-1-4	NFANRA005WJZZ	J	Cooling Fan, x1	AT
5-1-5	NFANSA002WJZZ	J	Blow Fan, x2	AX
5-1-6	NFANSA003WJZZ	J	Blow Fan, x1	AX
5-1-7	PDUC-A001WJKZ	J	Intake Duct(Bottom)	AN
5-1-8	PDUC-A002WJKZ	J	Intake Duct(Top)	AM
5-1-9	PSPAZ0373CEZZ	J	Spacer, for Fan, x12	AC
5-1-10	PSPAZA017WJZZ	J	Spacer, for Fan, x3	AB
5-1-11	QCNW-A498WJZZ	J	Connecting Cord(SO)	AF
5-1-12	QCNW-A499WJZZ	J	Connecting Cord(EB)	AH
5-1-13	RH-HXA002WJZZ	J	Thermister	AL
5-1-14	RUNTKA026WJN1	-	Fan Unit	—
5-1-15	XBPSD26P14000	J	Screw, x2	AA
5-1-16	XEBSD30P12000	J	Screw, x2	AA
5-2	*Not Available*	-	Exhaust Duct Ass'y	—
5-2-1	LANGKA004WJFW	J	Fixing Angle, x2	AD
5-2-2	LANGKA005WJFW	J	Fixing Angle, x2	AD
5-2-3	NFANRA003WJZZ	J	Exhaust Fan	AX
5-2-4	PDUC-A003WJKZ	J	Exhaust Duct	AQ
5-2-5	PSLDPA003WJFW	J	Heat Sink	AE
5-2-6	PSPAZ0373CEZZ	J	Spacer, for Fan, x8	AC
5-2-7	XEBSD30P12000	J	Screw, x6	AA
5-3	*Not Available*	-	Prism Holder Unit	—
5-3-1	CMiR-A004WJ51	J	Prism Unit	DX
5-3-1-1	LANGKA001WJFW	J	Fixing Spring, x3	AD
5-3-1-2	LANGKA036WJ00	J	Light Shielding Angle	AK
5-3-1-3	PFiLWA018WJZZ	J	Output Polarizer(G)	BF
5-3-1-4	PFiLWA019WJZZ	J	Output Polarizer(B)	BG
5-3-1-5	PFiLWA020WJZZ	J	Output Polarizer(R)	BG
5-3-1-6	XSSSF20P06000	J	Screw, x12	AA
5-3-1-7	XiPSF20P04000	J	Screw, x3	AA

Note:When exchanging the following parts, it becomes unit replacement correspondence.

Ref. No.	Part No.	★	Description	Code
5-3-1-8	*Not Available*	–	Fixing Angle(Upper)	—
5-3-1-9	*Not Available*	–	Fixing Angle(Lower)	—
5-3-1-10	*Not Available*	–	LCD Attaching Angle, x3	—
5-3-1-11	*Not Available*	–	Cross Dichroic Prism	—
5-3-1-12	*Not Available*	–	R-LCD Panel	—
5-3-1-13	*Not Available*	–	G-LCD Panel	—
5-3-1-14	*Not Available*	–	B-LCD Panel	—
5-3-1-15	XiPSF20P04W00	J	Screw, x3	AC
5-3-1-16	XSSSF20P04000	J	Screw, x6	AB
5-3-2	LHLDZA002WJFW	J	Prism Holder	AZ
5-3-3	LHLDZA036WJFW	J	Lens Mount	BD
5-3-4	LX-BZ3248CEFF	J	Screw, x4	AB
5-3-5	XBPSF30P08JS0	J	Screw, x4	AA
⚠ 5-4	BQC-XGC55X//1	J	Lamp Unit	CL
5-4-1	*Not Available*	–	Lamp Case Ass'y	—
5-4-1-1	LX-BZ3449CEFN	J	Screw, x2	AC
5-4-1-2	PCASZA002WJKZ	J	Lamp Case	AR
5-4-1-3	PSLDHA001WJFW	J	Heat Sink	AE
5-4-1-4	XREUW20-04000	J	E-ring, x2	AA
5-4-3	LANGUA006WJFW	J	Lamp Adjusting Angle	AP
5-4-4	MSPRKA002WJFW	J	Reflector Fixing Angle, x2	AD
5-4-6	RLMPFA009WJZZ	J	Lamp	CG
5-4-7	TLABZA429WJZZ	J	Caution Label	AC
5-4-9	XBPSF30P08JS0	J	Screw, x6	AA
5-4-14	XEBSD30P12000	J	Screw, x1	AA
5-5	GCOVUA003WJKZ	J	Light Shield Plate	AD
5-6	LANGKA037WJFW	J	Temp. Sensor Attaching Angle	AD
5-7	LCHSKA001WJKZ	J	Optical Mecha. Unit, Base	AY
5-8	LCHSKA002WJKZ	J	Optical Mecha. Unit, Cover	AV
5-9	LHLDW1046CEZZ	J	Wire Holder, x2	AA
5-10	LHLDW1076GEZZ	J	Cable Clamp Holder, x3	AA
5-11	LHLDZA001WJKZ	J	Mirror Adj. Holder, x3	AD
5-12	MSPRP1198CEFW	J	Mirror Fixing Spring, x6	AD
5-13	NFANSA002WJZZ	J	Blow Fan	AV
5-14	NFANSA003WJZZ	J	Blow Fan	AU
5-15	PCOVZA001WJKZ	J	PBS Fan Holder	AH
5-16	PCOVZA002WJKZ	J	Lamp House	AS
5-17	PFiLWA049WJZZ	J	Incoming PF(G)	BF
5-18	PFiLWA022WJZZ	J	Incoming PF(B)	BG
5-19	PFiLWA023WJZZ	J	Incoming PF(R)	BD
5-20	PFiLWA043WJZZ	J	UV Absorbing Filter	AW
5-21	PLNS-A027WJZZ	J	Fly-eye Lens-1	BL
5-22	PLNS-A007WJZZ	J	Fly-eye Lens-2	BS
5-23	PLNS-A008WJZZ	J	Condenser Lens-1	AX
5-24	PLNS-A009WJZZ	J	Condenser Lens-2, x2	AS
5-25	PLNS-A010WJZZ	J	Relay Lens-1	AT
5-26	PLNS-A011WJZZ	J	Relay Lens-2	AQ
5-27	PLNS-A012WJSA	J	Projection Lens	BZ
5-28	PLNS-A015WJZZ	J	Relay Lens-3	AS
5-29	PMiR-0219CEZZ	J	Reflection Mirror(M3)	AS
5-30	PMiR-A005WJZZ	J	Reflection Mirror(M1)	AZ
5-31	PMiR-A006WJZZ	J	Reflection Mirror(M2)	AV
5-32	PMiR-A008WJZZ	J	Reflection Mirror(M4)	AM
5-33	PMiR-A009WJZZ	J	Reflection Mirror(M5)	AL
5-34	PSLDHA003WJFW	J	Heat Sink, for Lamp House	AF
5-35	PSLDHA004WJFW	J	Heat Sink, for Lamp House	AF
5-36	PSPAT0076CEZZ	J	Teflon Tape, x2	AC
5-37	PSPAZ0373CEZZ	J	Fan Spacer, x2	AC
5-38	PSPAZA013WJZZ	J	Mirror Spacer, x10	AB
5-39	PSPAZA014WJZZ	J	Blow Fan Spacer, x3	AD
5-40	PSPAZA016WJZZ	J	Fixing Spacer, x13	AB
5-41	PSPAZA017WJZZ	J	Fan Spacer, x2	AB
5-42	PSPAZA090WJZZ	J	Glass Tape, x1	AF
5-43	QCNW-A546WJZZ	J	Connecting Cord	AG
5-44	RH-HXA003WJZZ	J	Temp. Sensor	AH
5-45	XBPSF30P08JS0	J	Screw, x22	AA
5-46	XEBSD30P12000	J	Screw, x4	AA
5-47	LHLDW1182CEZZ	J	Hoder	AC

SUPPLIED ACCESSORIES

Ref. No.	Part No.	★	Description	Code
	PFiLDA005WJZZ	J	Extra Air Filter	AF
⚠	QACCDA010WJPZ	J	Power Cord (for U.S., Canada, etc)	AR
⚠	QACCBA012WJPZ	J	Power Cord(for U.K., Hong Kong and Singapore)	AX
⚠	QACCLA014WJPZ	J	Power Cord(for Australia, New Zealand and Oceania)	AQ
⚠	QACCVA011WJPZ	J	Power Cord (for Europe, except U.K.)	AT
	QCNWGA012WJPZ	J	RGB Cable	AS
	QCNWG0007CEPZ	J	USB Cable	AL
	QCNWGA015WJPZ	J	DIN-D-sub RS-232C Adaptor	AK
	RCORF0083CEZZ	J	Core, for Power Cord (for U.S., Canada, etc)	AL
	RRMCGA176WJSA	J	Remote Control	BA
	95E103RRC21202	J	Battery Cover	AE
	TCADEA060WJZZ	J	Questionnaire Card	AE
	TCAUZA015WJZZ	J	Stipulation Card	AE
	TiNS-A812WJZZ	J	Operation Manual	AW
	TiNS-A867WJZZ	J	Operation Manual (Install Guide)	AG
	TLABZA364WJZZ	J	Quick Guide Label	AF
	UDSKAA035WJZZ	J	CD-ROM(INS)	AM
	UDSKAA036WJZZ	J	CD-ROM(SAPS)	AM
	CGAN-A163WJ01	J	ER Package (for U.S., Canada)	AM
	RUNTKA061WJZZ	J	Remote Mouse Receiver	BL

PACKING PARTS
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	SPAKCA827WJZZ	–	Packing Case	—
	SPAKFA040WJZZ	–	Packing Case, for Accessories	—
	SPAKFA071WJZZ	–	Partition	—
	SPAKP0805CEZZ	–	Polystylene Cover	—
	SPAKXA053WJZZ	–	Buffer Material	—
	SSAKA0160CEZZ	–	Polyethylene Bag	—
	TLABK0001TAZZ	–	No. Label	—

EXTENSION CABLE
(Use for servicing)

Ref. No.	Part No.	★	Description	Code
	QCNW-A868WJZZ	J	Connecting Cord (Output-Input)	CE
	QCNW-A869WJZZ	J	Connecting Cord (Output-PC I/F)	CE
	QCNW-A870WJZZ	J	Connecting Cord (Output-PC I/F)	CE
	QCNW-5688CEZZ	J	Connecting Cord, x3 (Output-LCD)	BK